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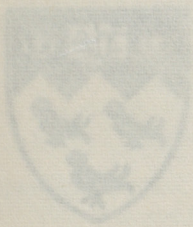

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The entries on pages 1 to 16 have been revised to 1st November, 1961.

Pages 41 to 116 are, for technical reasons, reprinted without change from the 1960-1961 Directory of Staff.

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A BRIEF HISTORY OF THE UNIVERSITY

In 1813 the Hon. James McGill, a leading merchant and prominent citizen of Montreal, died and left in his will a property of forty-six acres and a sum of £10,000 to the already existing Royal Institution for the Advancement of Learning upon condition that the latter erected "upon the said tract or parcel of land, an University or College, for the purposes of education and the advancement of learning in this Province"; and further upon condition that "one of the Colleges to be comprised in the said University shall be named and perpetually be known and distinguished by the appellation of 'McGill College'."

Owing to a lack of funds and persistent opposition the complete University, which had been planned by the Royal Institution, was not built, but after years of litigation and effort, the University of McGill College was opened in 1829 with what remained of James McGill's legacy as its endowment; and teaching then started in the Faculties of Medicine and Arts. The Medical Faculty grew steadily, but the Faculty of Arts had a most delicate infancy, and by the middle of the century was still scarcely alive. In 1852 an amended Charter was secured and a new era of progress and success began with the appointment in 1855 of Sir William Dawson as Principal, a position which he held for thirty-eight years.

Since 1855 the University has grown vigorously, dividing itself into further faculties. In 1899 the Royal Victoria College was opened, a gift of Baron Strathcona, to provide separate teaching and residential facilities for women students. Gradually, however, classes for men and women were merged, and now the University is almost completely coeducational. In 1907 Macdonald College was established at Ste. Anne de Bellevue, as a residential college for Agriculture, Household Science, and the School for Teachers. This general development was greatly facilitated by the generosity of Sir William Macdonald, whose gifts to the University included a Physics Building, a Chemistry and Mining Building, and a new Engineering Building, in addition to the college named after him.

The University had about a thousand students at the beginning of the present century. Before the First World War the number had approximately doubled and after the Second World War it rose rapidly until it reached over eight thousand in the 1948-49 session. At present about eight thousand, five hundred students are taking regular university courses. During this half-century benefactors, both public and private, have brought the total endowments to more than $60,000,000. New buildings have been erected or acquired to provide the undergraduate and research facilities needed by the increased student body. These include Douglas Hall and Wilson Hall, residences for men, and a large extension of the Royal Victoria College for women. Since 1945 the following

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buildings have been added: Purvis Hall for the School of Commerce, Chancellor Day Hall for the Faculty of Law, new quarters for the Faculty of Music, the Donner Building for medical research, the Radiation Laboratory and Cyclotron, and the Eaton Electronics Building. A new Physical Sciences Centre was opened in 1951 and a large extension of the Redpath Library was completed in 1953. In 1959 the McConnell Engineering Building, the gift of Mr. J. W. McConnell was opened. The Sir Arthur Currie Memorial Gymnasium and Armoury, built in 1939, has been extended to include a swimming pool opened in 1950 and a Winter Stadium which was added in 1956. A similar growth has been maintained in the buildings and equipment of Macdonald College.

The University has embarked on a vast programme of new construction for academic and residential use. The first phase will be completed in 1963.

GOVERNMENT OF THE UNIVERSITY

McGill University is a Corporation created by a Royal Charter granted by the Crown of the United Kingdom, a general supervisory power being retained by the Crown and exercised through the Governor General as *Visitor*.

The *Governors* of the University constitute the Royal Institution for the Advancement of Learning, a corporation existing under the laws of the Province of Quebec, part of the official organization of the Province, but completely self-governing. In them is vested the management of finances, the appointment of professors, and other important duties. Five of the Governors are elected by the members of the Graduates' Society and other appointments are made by the nomination of the remaining members with the approval of the Visitor. The President of the Board of Governors is, *ex officio*, *Chancellor* of the University.

The *Principal* is the academic head and chief administrative officer. He is appointed by the Board of Governors (of which body he is a member). He also holds the office of Vice-Chancellor of the University.

Senate consists of the Chancellor, the Principal, the Deans of the Faculties, the Warden of the Royal Victoria College, the Director of the Institute of Education, the Director of University Extension, and the four Group Chairmen of the Faculty of Arts and Science, all *ex officio;* five Governors elected by the Board; and eight professors elected by the various faculties. The Principal is Chairman of Senate, which is the highest academic authority of the University and has control over admission, courses of study, discipline, and degrees.

The carrying out of the regulations of Senate along with primary responsibility for the conduct of the educational work of the University, is entrusted to the several Faculties and Schools.

INCORPORATED AND AFFILIATED COLLEGES

INCORPORATED COLLEGES

Macdonald College is situated at Ste. Anne de Bellevue, about twenty-five miles from Montreal. It consists of the Faculty of Agriculture, the School of Household Science, and the Institute of Education. All courses leading to the Bachelor's and Master's degrees are under the control of the Senate of McGill University; all the short term courses in agriculture, and home economics, are under the direction of the Faculty of Agriculture; and those for diplomas to teach in the Province of Quebec are prescribed and regulated by the Department of Education. (*For further particulars, see pages 4810 to 4848.*)

The Royal Victoria College is the Women's College of McGill University. (*For further particulars, see pages 308 to 311.*)

AFFILIATED THEOLOGICAL COLLEGES

The Montreal Diocesan Theological College—Principal, Rev. E. G. Jay, M.A., B.D., M.T.H., Ph.D., 3473 University Street.

The United Theological College of Montreal—Principal, Rev. George Johnston, M.A., B.D., Ph.D., 3506 University Street.

NOTE: The above two Colleges train students for the Ministry and grant certificates for ordination, but in 1948 they remitted their degree-granting powers to the University, which now confers degrees in Divinity upon properly qualified students. (*See page 2305.*)

The Presbyterian College of Montreal—Principal, Rev. Robert Lennox, M.A., Th.B., D.D., 3690 Peel Street.

For Calendars and all necessary information, apply to the Principals of the Colleges.

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INSTITUTES ATTACHED TO McGILL UNIVERSITY

The Institutes and similar groups listed below carry out research in a number of specialized fields. In most of them facilities are available for qualified students who wish to take higher degrees.

INSTITUTE OF SPACE AND AIR LAW

An academic organization for graduate study and independent research in International Air Law, open only to those already holding law degrees or to members of the Bar. Students in the Institute may proceed to the degree of LL.M. **Director:** Professor A. B. Rosevear, Q.C.

ALLAN MEMORIAL INSTITUTE OF PSYCHIATRY

A Psychiatric Institute for teaching, research, and treatment. McGill University undertakes responsibility for the training and teaching facilities, and the Royal Victoria Hospital for the clinical work. Teaching covers both undergraduate instruction and advanced postgraduate training. **Director:** Professor D. Ewen Cameron.

ARCTIC INSTITUTE OF NORTH AMERICA

An international organization, the Montreal office (and headquarters) of which has since 1945 occupied space provided by McGill University. It supports scientific research in northern North America, and maintains a reference library, a map collection, and a small museum. It co-operates with the University in the McGill-Arctic Institute-Carnegie programme which assists graduate students in northern studies. **Director,** J. C. Reed.

INSTITUTE OF ISLAMIC STUDIES

A co-operative venture, gathering both staff and students from the Orient and the Occident, to interpret Islam as a living social force and to conduct joint research on its modern developments. Qualified students may proceed to the M.A. (or to the S.T.M.). **Director:** Professor Wilfred Cantwell Smith.

MONTREAL NEUROLOGICAL INSTITUTE

This includes a hospital for the treatment of diseases of the nervous system and laboratories for the study of basic and applied science in the general field of Neurology. The Institute houses the University Department of Neurology and Neurosurgery, and undergraduate and graduate teaching is carried out as well as research. **Director:** Professor T. B. Rasmussen.

INSTITUTE OF PARASITOLOGY

A co-operative venture between the National Research Council and the University for the study of Parasitology in man and animals. It also co-operates with public authorities in the practical applications of Parasitology. It accepts qualified students who wish to proceed to the M.Sc. or the Ph.D. degree. The Institute is housed at Macdonald College, Ste. Anne de Bellevue, near Montreal. **Director:** Professor T. W. M. Cameron.

THE UNIVERSITY LIBRARY

RICHARD PENNINGTON, B.A., Lib. Dip. (London), *University Librarian.*

The University Library, which is under the general management of a Committee of Senate, includes the Redpath Library and various Faculty and Departmental libraries in other buildings.

The several libraries of the University now contain over 750,000 volumes and 50,000 pamphlets and receive about 3,200 periodicals, Government publications, and transactions of various literary and scientific societies.

The University Library is rich in early printed books, in Canadiana, and in rare pamphlets of the sixteenth to eighteenth centuries. It has special collections of David Hume, Rousseau, Rilke, Blake, Napoleon, Stephen Leacock, and Rudyard Kipling; in the Stearn Library it has a collection, both of books and puppets, illustrating the history of the marionette theatre of all nations; and in the William Colgate Printing Collection a library devoted to typography. The Osler Library, devoted to the history of science from classical times, is famous also for its Sir Thomas Browne collection.

The Blackader Library of Architecture has been established in honour of Captain Gordon Home Blackader, B.Arch. The Wood Library of Ornithology was presented by Colonel Casey A. Wood, M.D., LL.D., as a special research collection and reference library. The Blacker Library of Zoology, presented by Robert Roe Blacker and Nellie Canfield Blacker, is a comprehensive reference library on this special subject. It is supplemented by the Lyman Collection of books on Entomology. The Dinah Lauterman Library of Art was established in 1946. The Faculty of Medicine (including the Bibliotheca Osleriana), the Faculty of Engineering, the Faculty of Divinity, the School of Social Work, the School for Graduate Nurses, and the Royal Victoria College maintain libraries in their respective buildings. The Baillie Library of Chemistry, the Physics

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Library, Mining, Metallurgy, and Geology libraries are housed in the Physical Sciences Centre, and there is a departmental collection in the Department of Botany. The Library of the School of Commerce, which includes a section on Industrial Relations, is in Purvis Hall. The Faculty of Law Library is in Chancellor Day Hall. An Islamic collection is to be found in the Islamic Institute. In Redpath, but attached to the Library School, is a reconstituted early nineteenth century printing office for the bibliographical instruction of graduate students of the School.

Students will find in the Redpath Library building the Undergraduate Library with seating for 352 readers and with a specially selected working collection of about 40,000 volumes. Third and Fourth year Honours students may on application obtain a permit for working in the Stack. Students writing a thesis are advised to consult the University Librarian early in their work as to books they will need which are not yet in the Library.

With the Library is affiliated the University Book Club, which supplies its members with recent publications and makes an annual contribution of books to the Library.

The Library exhibits, from time to time, displays illustrating the subjects of the University curriculum, with special reference to art, bibliography, Canadian history, and the marionette theatre.

McGILL UNIVERSITY MUSEUMS

The McGill University Museums contain some of the leading scientific and historical collections in the country and are a source of much excellent material for graduate and undergraduate study in the fields of geology, zoology, anthropology, and Canadian history.

The collections have long outgrown the original quarters allotted to them, and now in addition to completely filling the Redpath and McCord Museums are making steadily increasing demands for storage space in four other buildings both on and off the campus. It is hoped that all these collections and their related activities will eventually be combined into a single McGill Museum which can carry out with greater effectiveness the collecting, the preservation, investigation and interpretation of the thousands of objects entrusted to its care.

Through a growing program of field research, which in the past year has been undertaken in the Arctic, the Maritime Provinces, and Barbados, the McGill University Museums are making valuable contributions to

scientific literature and thought. These projects, together with other extra-mural activities of the staff are helping to establish the McGill University Museums as notable participants in the international museum movement rather than only as isolated departments in the University complex.

The PETER REDPATH MUSEUM, long a campus landmark, was erected in 1882 and holds the distinction of being the first specially designed museum building in Canada. Its extensive scientific collections begun by Sir William Dawson in 1885, include the Carpenter Collection of Molluscs, the Ferrier Collection of Minerals, and the Dawson Collection of Paleontology, available to students and specialists in consultation with the Curators.

The old exhibitions are now being redesigned as more effective teaching aids and these together with temporary exhibits, are intended to interest the university population and the general public. The museum co-operates with many student activities, is a meeting place for societies with special interest in the collections, and maintains an active relationship with local schools.

Exhibition Hours: 9 a.m. to 5 p.m. daily, except Sunday

Director: Mrs. Alice J. Turnham

Curators: *Vertebrate Zoology:* Austin W. Cameron
Invertebrate Zoology: Vincent Conde
Geology: Mrs. Louise Stevenson
Education: H. Gilbert Ferrabee
Exhibits: Mrs. Nancy J. Dunbar

The McCORD MUSEUM, in temporary quarters at 3607 Drummond Street, contains a wealth of material on Canadian history and Canadian anthropology. A small, modern exhibition hall features related exhibits while the remainder of the building is maintained as a research centre for students and specialists to whom the study collections are available by appointment.

The core of the collection came to the University in 1918 as the David Ross McCord bequest. Since then other notable accessions have been added, such as the Notman Photographic Collection. This and many other significant donations help illustrate the history of Canada in general and Montreal in particular. This material covers the French

and English regimes with special emphasis on the early fur trade and on the social life and commerce of the 19th century as traced by maps, documents, paintings, costumes, weapons, and furnishings.

Exhibition Hours: Weekdays 2 to 5 p.m.
Saturdays 10 to 5 p.m.

Assistant Curator, McCord Museum MRS. ISOBEL DOBELL

Curator of Anthropology GORDON R. LOWTHER

The ETHNOLOGICAL MUSEUM, formerly housed in the Medical Building, has been dispersed within the University, pending provision of adequate quarters. Meanwhile selections from the North American collections have been incorporated with Canadian anthropology in the McCord Museum and in the display areas of the Redpath Museum. Objects related to the Mediterranean cultures are exhibited in Divinity Hall, 3520 University Street, and the remainder, including excellent material from Africa and the Pacific Islands is in temporary storage.

OTHER COLLECTIONS. In addition to the above there are other collections and exhibits of a specialized nature, ordinarily open only to students but to which access may be gained by application to the department concerned. These include the Anatomical, Medical, and Pathological Museums, the Museum of Hygiene, the Rutherford Collection of Experimental Physics, and the Botanical, Zoological, and Architectural collections. At Macdonald College there is a teaching collection containing an herbarium, the Lyman Entomological Collection and other exhibits related to Canadian agriculture.

McGill University

MONTREAL, CANADA

GENERAL INFORMATION

1961-62

ADMISSION TO THE UNIVERSITY

ENTRANCE REQUIREMENTS

The entrance requirements of the various faculties and schools of the University are given in the General Announcement, and in the separate announcements of the faculties and schools. These announcements may be obtained from the Registrar's Office.

APPLICATION FORMS

Application forms for admission to the faculties of Arts and Science (including the School of Commerce), Engineering, Medicine and Dentistry may be obtained from the Registrar's Office. Applications for admission to other faculties and schools should be made to the Deans of the faculties or the Directors of the schools concerned. All application forms give details of the certificates and records applicants must submit.

APPLICATION FOR RESIDENCE

Students who wish to apply for residential accommodation must do so on special forms. These may be obtained from the Warden of the Residence concerned or from the Registrar's Office.

ADMISSION TO THE UNIVERSITY

The admissions policy of the University is definitely selective and no guarantee can be given that a student who has complied with the minimum entrance requirements will be admitted. Students, therefore, should never come to the University until they have received official acceptance of their applications.

INQUIRIES

The Registrar's Office will be pleased to answer inquiries concerning the University and to give advice to anyone who contemplates applying for admission.

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FEES

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

Fees are not refundable, except under special conditions as described in the regulations concerning remission of fees (see page 305).

A student who transfers to a higher year from one faculty or degree course to another where higher tuition fees prevail shall be required to pay an amount equal to the difference in fees which existed between the two faculties or courses during the preceding session.

I. UNIVERSITY FEES

FULL TIME REGULAR STUDENTS

These fees include all the regular charges of the University for registration, tuition, laboratories, libraries, graduation, health service, physical education, sports, games and Students' Society Fees.

Arts	$425.00
Commerce	425.00
Dentistry (laboratory equipment not included)	500.00
Divinity (except regular candidates for ordination)	400.00
Education (3rd and 4th years B.Ed. and B.Ed.(P.E.))	425.00
Engineering and Architecture (all years)	525.00
Nursing (Degree and Diploma Courses)	400.00
Law (First, Second, and Third years)	425.00
Law (Fourth year)	350.00
Library School (includes library visits) (Tuition $375.00; Travel $50.00)	425.00
Medicine (General Course)	600.00
Medicine (Special Combined Course)	
1st and 2nd years	475.00
3rd to 7th years	600.00
Music	400.00 to 550.00
Physical and Occupational Therapy	400.00
Science	475.00
Graduate Studies (Excluding M.L.S.)	425.00
International Air Law	425.00
Social Work	425.00
Master of Library Science—includes library visits (Tuition $375.00; Travel $50.00)	425.00

CONDITIONED STUDENTS

Special fee for an additional course repeated or substituted by conditioned students (one full course or two half courses)..... $ 10.00

LIMITED UNDERGRADUATES IN THE FACULTY OF ARTS AND SCIENCE

Per course—Arts	$115.00
" " —Commerce	115.00
" " —Science	125.00
Per half course—Arts	57.50
" " " —Commerce	57.50
" " " —Science	62.50

PARTIAL STUDENTS

	Half Courses	Full Courses
Arts	$57.50	$115.00
Commerce	57.50	115.00
Science	62.50	125.00
Engineering, per hour of instruction per week, per term.	22.00	22.00
Graduate Faculty	refer to Graduate Faculty Announcement	

Information concerning the fees for partial students in other courses may be obtained from the Chief Accountant.

The maximum fee charged for courses taken by partial students will not exceed the published fee for full time regular students, but in all other cases, partial students are subject to the following additional fees:

(a) If taking three or more courses—

Athletics	$15.00	
Health Service	7.00	
Students' Society	*15.00	$37.00

*($16.50 in Dentistry, $17.00 in Engineering, $18.00 in Law, and $19.00 in Medicine)

(b) If taking less than three courses—

Students' Society	$10.00
or, if desiring full Athletic and Health Service privileges	$32.00

PAYMENTS BY INSTALMENTS

Fees, including board and residence, may be paid in two instalments, one at the beginning of the session and one on the 15th of January following. For this privilege the additional fee (payable $2.50 with each instalment) is..... $ 5.00

In special cases of hardship, application may be made to the Chief Accountant for more extended terms of payment.

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II. SPECIAL FEES AND PENALTIES

Late registration (first week) extra	$ 5.00
Late registration (second week) extra	10.00
Late payment fee (after specified date)	2.00
Fine for late medical examination (*see pages 311 and 312*)	25.00
Graduation *in absentia*	10.00
Duplicate Diploma	10.00
Certified copy of student's record	1.00
Additional copy (at same time)	.50
Duplicated copies of student's record (12 copies)	2.00
Re-reading examination paper	10.00
Supplemental examinations, each paper	10.00

III. STUDENTS' SOCIETY FEES

University fees, listed on page 302, include an annual fee of $15.00 ($16.50 in Dentistry, $17.00 in Engineering, $18.00 in Law, and $19.00 in Medicine) for the support of student organizations. Partial students taking three or more full courses are required to pay an additional fee, as set forth on page 303. The Dentistry fee includes $1.50 for the Dental Review; Medical and Law fees include $2.00 for the Medical and Law Journal respectively.

The Undergraduate Society receives $1.00. In Law the Undergraduate Society receives $2.00; in Medicine and Engineering $3.00.

The Women's Union receives a sum of not less than 10% of the minimum annual fee collected from every regular women undergraduate.

The fee of students in the Faculty of Graduate Studies is distributed as follows: Students' Society $8.00; Postgraduate Students' Society $1.00 and Postgraduate Society Trust Fund $1.00.

IV. ATHLETICS, PHYSICAL EDUCATION, AND RECREATION

Free use of the gymnasium and swimming pool, rinks, tennis courts, playing fields, etc., is included in the University fees listed on page 302, and $15.00 of the fees paid by regular undergraduates is allocated to the Department of Athletics, Physical Education, and Recreation to support its programme.

REGULATIONS FOR PAYMENT OF FEES

1. Fees are due and payable at the Accounting Office immediately after registration; exact dates are shown in the announcements of various

faculties and schools. A late fee of $2.00 is charged for payment after the specified dates, and no additional days of grace are allowed.

2. The university does not issue bills for fees. Each student is required, at the time of registration, to complete a fee account giving full details of his fees for the session. To ensure identification, students or parents should enclose the fee account when paying fees.

3. Fees may be paid in two instalments, one at the beginning of the session, and one on January 15th following. In such cases the instalment fee of $5.00 is charged.

1st Instalment

One half of the total fees plus $2.50 instalment fee. Deduct deposits already paid.

2nd Instalment

Balance of total fees plus $2.50 instalment fee.

4. Students registering late pay their fees at the time of registration, failing which they become subject to the late fee and the provisions of the following paragraph:

As soon as possible after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans will thereupon suspend them from attendance until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

5. Further details concerning fees in the Faculty of Graduate Studies and Research are given in the announcement of that faculty.

REGULATIONS CONCERNING REMISSION OF FEES TO STUDENTS WHO LEAVE THE UNIVERSITY DURING THE COURSE OF THE ACADEMIC YEAR

1. Students withdrawing from the University must cancel their registration at the Registrar's Office.

2. In the case of students who, in spite of the fact that they leave the University before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of fees.

3. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, the fees shall be remitted on the following basis:

(a) In those faculties where the academic year is divided into two terms, half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.

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(b) In those faculties where the year is divided into three terms, one-third of the fees shall be returned for each term that begins after the departure of the student.

4. No fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.

5. Residence fees are payable for the full academic year and will not be refunded, except in special circumstances.

EXPENSES

It will be seen that each full time regular student pays annually an inclusive University Fee (*see page 302*). There are no other regular fees and the only extras are for late registration, for graduation *in absentia*, etc., as listed above. Consequently the expenses of a student may be estimated by adding this fee and the cost of board and lodging (*see pages 306 to 311*). Books are necessarily a variable expense but probably $60 a year would be their average cost in Arts and Science. Personal expenditure upon clothes, amusements, etc., is still more variable and no useful estimate is possible.

PART-TIME EMPLOYMENT

Inquiries regarding placement, part-time work, or summer employment should be directed to the University Placement Service. However, students taking a regular degree course generally have insufficient leisure to make heavy part-time work during the term advisable, and they are recommended not to rely upon earning any money while actually at college.

BOARD AND RESIDENCE

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require.

I. FOR MEN

Applications submitted after July 1st for residence in Douglas Hall or Wilson Hall will not normally be considered. Residents are required to vacate their rooms within forty-eight hours of last examination or of graduation.

DOUGLAS HALL OF RESIDENCE

Douglas Hall was opened in September 1937. It is built on the staircase plan, each student normally having his own study-bedroom and sharing a sitting room with two other men, the three study-bedrooms and the sitting room forming a self-contained and separate suite. The residence has accommodation for approximately 150 students. Meals, under the supervision of a qualified dietitian, are served in the attractive refectory

and residents have in addition the use of adequate common rooms, play rooms, etc.

Bedding and towels are provided.

A House Fee of $6.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture:

First year	$685.00
Subsequent years	650.00
Arts, Science, Commerce, Law	685.00
Medicine and Dentistry (Fourth year)	720.00
Medicine and Dentistry (lower years)	750.00

Students sharing a double study-bedroom will be allowed a rebate of $40.00 on the above fees.

Students sharing a double study-bedroom will be allowed a rebate of $40.00 on the above fees. Medical students cannot be admitted until the Tuesday after Labour Day.

WILSON MEMORIAL HALL

Wilson Memorial Hall, acquired in 1945, has accommodation for approximately seventy students, most of whom share a double room. Otherwise the facilities of dining room and common rooms are similar to those at Douglas Hall. Bedding and towels are provided.

A House Fee of $8.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees.

NORMAL SESSIONAL FEES FOR BOARD AND RESIDENCE

Engineering and Architecture (upper years)	$620.00
Arts, Science, Commerce, Law, and First year Engineering	650.00

Students sharing a double room will be allowed a rebate of $40.00 on the normal fee. A further rebate of $20.00 will be allowed in the case of a few of the less favourably situated rooms.

One half of the fee is payable at the beginning of the session, and the balance on January 15th.

Students who are in residence for any additional period are charged extra at the rate of $3.50 per day.

Owing to limited accommodation, the normal time of residence in either Hall is restricted to four years, or the time required to obtain

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one McGill degree, whichever is shorter. Applications should be submitted as early as possible, even if the applicant has not received his acceptance by the University.

Accepted residents are required to make a deposit of $25.00 which will be included in their residence fees. It will be refunded only if notification that they are not coming is received one month before they are expected to move into their rooms.

During term the University will not cancel the contract for residence except in special circumstances such as serious illness or withdrawal from the University.

It is expected that by the autumn of 1962 two new residences providing space for 400 students will be ready for occupancy.

LODGINGS

The University has a register of lodgings which have been inspected. For information about these rooms students should apply in person to the Rooms Registry in the Union during September. The Registry gives information to those who come to its office but does not itself reserve lodgings and it cannot answer correspondence.

The cost of board and lodging in rooms varies from $85 to $90 per month. Separately, board costs from $65, and a room from $40, upwards per month.

Board is furnished in the McGill Union at low rates.

Board and lodging for men may also be obtained in the Diocesan College and the Presbyterian College, which are affiliated with the University.

II. FOR WOMEN

THE ROYAL VICTORIA COLLEGE

The main building of the Royal Victoria College was erected in 1899 under the terms of the endowment created by the Rt. Hon. Baron Strathcona and Mount Royal for the education of women at McGill University. A west wing was added in 1930-31 and an east wing in 1948-49. In all, the College provides residence accommodation for 313 students. McLennan Hall, 3480 Ontario Avenue, formerly the home of Miss Isabella C. McLennan and donated by her to the University, together with the Royal Victoria College Annex, a large house at 1009 Sherbrooke Street West, provides additional accommodation for 43 students. All meals are served at the Royal Victoria College. Students living in McLennan Hall, however, have their breakfast there.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and are required by the University to complete the registration forms of the Royal Victoria College.

The activities of all women students centre in the College, which contains a separate library, swimming pool, lounges, cafeteria, gymnasium facilities, health offices, infirmary, and accommodation for the Women's Union, as well as residential quarters and the Warden's office.

Swimming Pool

The swimming pool, a gift to the Royal Victoria College, was formally opened on November 27th, 1959. This pool is available to all women students at McGill, including those in the professional and graduate faculties, and serves for both recreational swimming and teaching. Instruction in learning how to swim, in synchronized swimming and in diving, as well as the First year programme in swimming is given by the Physical Education Department. The pool is used also for classes in physio-therapy.

The Warden has general supervision over all the academic activities of the women students. Under the University statutes, she is responsible for "the preservation everywhere of the good character and good name of the College." To this end she has jurisdiction over all women's extra-curricular activities.

APPLICATION FOR RESIDENCE

(a) Out-ot-Town Applicants:

The Royal Victoria College has the responsibility for residence for all women undergraduates whose homes are not in Montreal. Only in exceptional cases may an undergraduate who is not residing with her parents or guardian live out of residence, and then only with the Warden's written approval.

All women students whose homes are not in Montreal must make application for residence in the College, as well as for a Faculty or School, before their academic applications can be considered.

Residential application forms may be secured either from the Registrar's Office of the University or from the College, and when completed should be addressed to The Warden, Royal Victoria College, McGill University, Montreal. Final date for application is April 1st.

Before a student can be officially accepted for residence, she must fulfil all the entrance requirements of McGill University, be acceptable for a full course leading to a degree or diploma, and comply with the health regulations (*see paragraph on Health, page 311*).

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Admission is based on scholarship, character, health, and general promise.

(b) Montreal Applicants:

Any Montreal student wishing to live in residence for some period of her undergraduate course should file an application at the Warden's Office. Should there be a withdrawal because of illness, etc., accommodation may then be available for such an applicant.

OPENING AND CLOSING OF RESIDENCES

Registration dates for women students in Arts, Science and Commerce are as follows:

First year—Monday, September 18th.

Upper years—Arts—Thursday, September 21st.
Science—Friday, September 22nd
Commerce—Saturday, September 23rd.

Residences will be open for *First year students* on Friday, September 15th, when the first meal served will be the mid-day meal; for new upper year students on Tuesday, September 19th and for returning upper year students on the day prior to registration.

Students cannot enter residence before the dates specified.

All students except seniors are expected to leave in May within 48 hours of their last examination; seniors, within 24 hours after Convocation.

ROOMS AND FURNISHINGS

In the Royal Victoria College there are 279 single and 17 double rooms. They are furnished with the following: bed, pillow, bureau, desk, bookcase, desk chair, waste-basket, study lamp. Blankets (2), sheets, pillow cases, bath towels, and face towels are provided. Students should supply their own bed covering and bureau scarf.

At McLennan Hall and the Annex, the rooms are large and accommodate two or three students each. Furnishings are similar to those described for the Royal Victoria College.

RATES

The rates for residence covering the period of the University Session, *exclusive of the Christmas holidays, are:*

Royal Victoria College

Arts, Science, Commerce, Nursing, P. and O.T. 1 and B.Ed. 3—	
Single room and full board	$760.00
Double room (17 only) and full board	730.00
P. and O.T. 2, 3, 4, B.Ed. 4, B.Ed. (P.E.) 3 and 4	
Single room and full board	800.00
Double room and full board	770.00

Annex

All rooms and full board $700.00

McLennan Hall

All rooms and breakfast only $415.00

Additional meals may be obtained at the Royal Victoria College cafeteria at the regular prices.

Students who are in faculties with longer sessions, or who remain in residence for any additional period for purposes of instruction, practice teaching or examinations, are charged at the rate of $25.00 per week or $4.00 a day extra.

A House Fee of $10.00 is collected by the University on behalf of the Resident Students' Society, and is payable with the Board and Residence fees. This amount includes $2.00 key deposit which is refunded at the end of the session.

HEALTH

The health service for both resident and non-resident students is part of the University Health Service. Dr. M. Dorothea Mellor, of the Health Service, is assisted by resident nurses.

No student who has an infectious illness or who comes from a house in which there has been an infectious illness may enter or return to the College unless the regulations of the Provincial Department of Health are observed. In all such cases the Warden must be notified and official consent secured. All students entering the University for the first time are required according to Provincial regulations to present a certificate or other satisfactory evidence of successful vaccination within seven years, or of insusceptibility to vaccine within five years.

HEALTH SERVICE (MEN AND WOMEN)

The objective of the University Health Service is to ensure that every student enrolled at McGill University shall be enabled to obtain the maximum protection for the development and maintenance of health at reasonable cost, during the University sessions.

The facilities of the Health Service provide for the early discovery of any defects of health and direct the student to competent treatment for any serious defect which may be found. The personnel of the Health Service have all been chosen for their ability to give competent and sympathetic service.

The Health Service provides treatment for minor illnesses or accidents.

It is not the function of the Health Service to undertake the care of serious cases beyond the initial diagnosis and emergency treatment. When

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necessary the patient will be referred to the physician or surgeon of his choice or to the public service of designated hospitals. The cost of such services is then the student's responsibility.

The families of out-of-town students will be notified of any serious illness, and the action of the Health Service will be guided by their wishes or the advice of their family doctor.

Students entering the University are presumed to be in good health. If they are not, a statement to the contrary should be furnished to the Health Service before registration in the University is completed.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against smallpox.

The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur, nor for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. In the case of injuries which occur during intercollegiate or intramural competition in athletics or in preparation therefor, the Health Service will render treatment, including hospitalization, if necessary, but any hospital expense in connection therewith shall be limited to the same maximum amount and conditions as in the case of hospitalization for illness. If circumstances appear to justify such action, the Director of the Department of Athletics, Physical Education, and Recreation may authorize additional services or contributions towards such cost.

UNIVERSITY MEDICAL EXAMINATIONS

The University requires all students (whether regular, limited or partial students, and whether undergraduate or graduate students) to present themselves for examination by the University Health Service as follows:

(i) In his, or her, first year, as a member of any Faculty, every student must present himself, or herself, for general clinical examination and routine laboratory tests. Examinations are given by appointment with the Health Service. Students who fail to comply with this requirement by December 1st in any academic year will be subject to a fine of $25.00, and students who fail to comply with it by December 15th will be suspended from membership of the University. Every student who has been in continuous attendance must be medically re-examined by the Health Service in his Sixth year at the University. Every student who has spent one or more academic years away from the University must be medically re-examined during the year in which he re-registers.

(ii) In each academic year during their membership of the University, other students must present themselves, at a date to be announced, for a chest x-ray examination. Examinations are given by appointment with the Health Service. Students who fail to comply with this requirement by a date to be announced, in any academic year, will be subject to a fine of $25.00; and students who fail to comply with it by a final date will be suspended from membership of the University.

Participation in athletics is conditional upon the results of these examinations.

Provision is made, during the session, for the re-examination of any student who may seem to require it.

Consultative service for all students is available at the various centres of the University Health Service. These centres are located for men on the McGill Campus at 517 Pine Avenue West; for women at the Royal Victoria College; for Macdonald College at the Infirmary.

This service is optional on the part of the student. Any services obtained by the student from a private physician are the student's responsibility.

A limited number of house visits by a physician or nurse of the Health Service is undertaken as necessary for those living away from home and confined to bed.

A student who has received medical attention for an illness or accident must be declared fit by the Health Service before he may resume participation in classes or athletics.

The consultative service is included in the University Health Service fee.

In case of hospitalization when obtained through the University Health Service, payment will be made for an amount up to one-half of all public ward rates in a designated general hospital up to a maximum of $125.00 per student in any one session of the University.

This contribution is not applicable to hospital expenses for an illness or other condition which was known or ascertained at the time of admission.

Further detailed information will be furnished each student at the time of registration.

PARKING ON UNIVERSITY GROUNDS

The University does not permit students to park automobiles or motorcycles anywhere on the Montreal campus.

Parking at Macdonald College is subject to restrictions. Further information may be obtained by applying to the office of the Vice-Principal of the College.

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SPORTS FOR MEN

There is intercollegiate competition in approximately twenty different sports, including football, hockey, track, basketball, skiing, swimming, tennis, boxing, wrestling, fencing, and golf, and, in addition, there is a wide programme of intra-mural competition in various sports. The Sir Arthur Currie Memorial Gymnasium and Swimming Pool provide accommodation for many indoor activities, while Mount Royal in Montreal and the Laurentian Mountains north of Montreal provide excellent skiing country. A student in good health thus has ample opportunities for exercise and pleasant recreation.

SPORTS FOR WOMEN

For women students there is a wide choice of voluntary sports and recreations including archery, basketball, dancing, gymnastics, skating, skiing, swimming, and tennis. Special care is taken that no student undertakes any exercise for which she is physically unsuited.

COMPULSORY PHYSICAL EDUCATION

The University requires all students in the First year of the courses leading to the B.A., B.Sc., B.Com., B.Eng., B.Mus., B.Sc.(P.&O.T.), and B.Sc.(N.) degrees to take a course in Physical Education. There are a large number of activities and sports from which students may choose in order to satisfy this regulation. Details of the programme will be published at the time of registration.

IMMIGRATION

All students entering Canada to attend courses at the University should obtain from the Dean of their Faculty, the Director of their School, or the Registrar's Office an official letter of acceptance, and should present this to the immigration authorities at the port of entry.

BRITISH STUDENTS

British students do not require passports to enter Canada but may require them if they wish to return. They are therefore advised to obtain them before leaving for Canada.

AMERICAN STUDENTS

American students do not need passports. They must, however, bring with them evidence of their American citizenship such as their birth certificate, baptismal certificate, naturalization certificate, or passport. Students coming from the United States of America who are not citizens

of that country should carry evidence that they are in the United States legally, and prior to their return should obtain a re-entry permit from the American Immigration Department.

OTHER STUDENTS

All other non-Canadian students should carry passports.

UNIVERSITY BOOK STORE

The McGill University Book Store, at 3416 McTavish Street, has a complete stock of books and materials recommended by the Staff, and a supply of microscopes, engineering instruments, drawing paper, pens, pencils, note-books, etc. The prices are standard retail prices, and profits are used directly for the benefit of the students.

CALENDAR FOR THE SESSION 1961-62

1961

May 31st, Wednesday. Convocation.

June 19th, Monday. School Certificate Examinations begin.

June 24th, Saturday. St. Jean Baptiste Day.

June 27th, Tuesday. French Summer School begins.

July 1st, Saturday. Dominion Day. Administrative offices closed from 5 p.m. June 29th, Thursday to 9 a.m. July 3rd, Monday.

July 3rd, Monday. Summer School in Education begins.

August 4th, Friday. Summer School in Education ends.

August 9th, Wednesday. French Summer School ends.

August 21st, Monday. Supplemental examinations begin in Engineering, Architecture, Agriculture, Household Science, the Institute of Education, First and Fourth year Arts, Science, Commerce and Fourth year B.Ed., and B.Ed.(P.E.).

August 24th, Thursday. Last day for filing Masters' theses for Autumn Convocation.

September 1st, Friday and September 5th, Tuesday. Registration in Medicine and Dentistry.

September 4th, Monday. Labour Day. Administrative offices closed September 2nd, Saturday and September 4th, Monday.

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September 5th, Tuesday. Special and Supplemental Summer Schools for Engineering Drawing 511, 521, 541 begin. Fall Survey School for Engineering begins.

September 6th, Wednesday. Registration of Graduate Nurse students in the First year of the School for Graduate Nurses. Lectures begin in Medicine and Dentistry. Registration of students in the Institute of Education, Third, Fourth and Fifth years Physical and Occupational Therapy. Internship of B.Ed.3 students begins.

September 7th, Thursday. Lectures begin in the Institute of Education, Third, Fourth and Fifth years of Physical and Occupational Therapy.

September 8th, Friday. Last day for receiving applications for admission to the Faculty of Graduate Studies. Examinations in French for Ph.D. students.

September 11th, Monday. Registration of students in Fourth year B.Sc.(H.Ec.). Teaching option.

September 11th, Monday to September 22nd, Friday. Practice teaching for Second year students in the Institute of Education.

September 13th, Wednesday. Registration of Second year students (9.00-12.00) and all part-time students (1.00-4.00) in the School of Social Work. Architecture sketching school begins.

September 14th, Thursday. Registration for Second year B.Sc.(H.Ec.) students and B.Sc.(Agr.) students taking Agricultural Engineering 439 and 439A (9.00 a.m.-12 noon). Registration of First year students in the School of Social Work. Last day for reports on Masters' theses.

September 15th, Friday. General Assembly and Reception of all students in the School of Social Work.

September 18th, Monday. Registration of students in First year Arts, Science and Commerce (specific times are shown on reports of standing or acceptances), Engineering, Basic Nursing, Physical and Occupational Therapy, Household Science, Music, and First and Third years B.Sc.(Agr.). Lectures begin in the School of Social Work. Registration of students in the Library School.

September 19th, Tuesday. Freshman Welcome. Lectures begin in the Library School.

September 19th, Tuesday and September 20th, Wednesday. Freshman Orientation for all new students in Agriculture and Household Science. Agriculture 300A tour.

September 20th, Wednesday. Registration of students in all other years of B.Sc.(Agr.) and B.Sc.(H.Ec.).

September 20th, Wednesday and September 21st, Thursday. Registration of students in all years of Divinity.

September 21st, Thursday. Last day for receiving sessional registration forms approved by the Department in the Dean's Office, Faculty of Graduate Studies and Research. Lectures begin in Agriculture and Household Science. Registration of students in Upper years of Arts (specific times are shown on reports of standing or acceptances), and in Third and Fourth years B.Ed. and B.Ed.(P.E.).

September 21st, Thursday and September 22nd, Friday. Registration of students in all years of Law.

September 22nd, Friday. Registration of students in Upper years of Science (specific times are shown on reports of standing or acceptances) and of all partial students. Registration of students in Second year Physical and Occupational Therapy and in Upper years of Engineering, Architecture and Nursing.

September 23rd, Saturday. 9.00-12.00. Registration of students in Upper years of Commerce.

September 25th, Monday. Lectures begin in all years of Arts, Science, Commerce, Engineering, Architecture, Nursing, Graduate Studies, Law, First and Second years Physical and Occupational Therapy, and Third and Fourth years B.Ed. and B.Ed.(P.E.).

October 6th, Friday. Founder's Day Convocation.
(James McGill born October 6th, 1744, died December 19th, 1813.)

October 9th, Monday. Thanksgiving Day. No lectures. Administrative offices closed October 7th, Saturday and October 9th, Monday.

October 11th, Wednesday. Supplemental examinations begin for Agriculture Diploma students.

October 16th, Monday. Registration for Agriculture Diploma students.

October 17th, Tuesday. Lectures begin in Agriculture Diploma courses.

October 18th, Wednesday. Last day for registration at the Registrar's Office and for payment of fees for students in the Faculty of Graduate Studies and Research.

October 24th, Tuesday. Macdonald College Annual Assembly, 3.45 p.m.

November 11th, Saturday. Remembrance Day Service.

November 27th, Monday to December 8th, Friday. Practice Teaching for First Class Teachers Diploma students.

December 2nd, Saturday to December 16th, Saturday. Examinations in German for Ph.D. students, except those in the Department of Physics.

December 8th, Friday. Examination in French for Ph.D. students.

December 12th, Tuesday. Lectures end in Agriculture and Household Science.

December 15th, Friday. First term examinations begin in Agriculture and Household Science.

December 16th, Saturday. Last day of lectures in Arts, Science, Commerce, Engineering, Architecture, School for Graduate Nurses, Education and Physical Education, and in all other Faculties and Schools except Social Work and the Library School.

December 18th, Monday. Examinations begin in the Institute of Education.

December 18th, Monday to December 22nd, Friday. Mid-term examinations in Physical and Occupational Therapy.

December 18th, Monday to December 22nd, Friday and January 3rd, 1962, Wednesday to January 6th, 1962, Saturday. Mid-term examinations in Arts, Science, Commerce, Engineering, Architecture, School for Graduate Nurses, Third and Fourth years Education and Physical Education.

December 20th, Wednesday. Last day of lectures in the Library School.

December 21st, Thursday. Last day of lectures in the School of Social Work.

December 25th, Monday. Christmas Day. Administrative offices closed from 5.00 p.m. December 22nd, Friday to 9.00 a.m. December 27th, Wednesday.

1962

January 1st, Monday. New Year's Day. Administrative offices closed from 5 p.m. December 29th, Friday to 9.00 a.m. January 2nd, Tuesday.

January 3rd, Wednesday. Second term begins in Law, Music, Agriculture, Household Science, First and Second years B.Ed. and B.Ed.(P.E.), Graduate Studies and the Institute of Education. Lectures resumed in Medicine, Dentistry, and Second to Fifth years Physical and Occupational Therapy.

January 4th, Thursday. Lectures resumed in the Library School.

January 4th, Thursday to January 6th, Saturday. Examinations in the School of Social Work.

January 8th, Monday to January 19th, Friday. Practice Teaching period for students in First and Second years Institute of Education.

January 8th, Monday. Second term begins in the School of Social Work, Arts, Science, Commerce, Graduate Studies, Third and Fourth years B.Ed. and B.Ed.(P.E.), Engineering, Architecture, Divinity, the School for Graduate Nurses, and First year Physical and Occupational Therapy.

January 15th, Monday to January 19th, Friday. Examinations in the Library School.

January 22nd, Monday. Second term begins in the Library School and in the Institute of Education.

February 1st, Thursday. Last day for application for the majority of Graduate Fellowships.

February 10th, Saturday. Founder's Day at Macdonald College. (Sir William Macdonald, born February 10th, 1831, died June 9th, 1917).

February 16th, Friday to February 17th, Saturday. Mid-term weekend holiday.

February 23rd, Friday. Macdonald Royal.

March 21st, Wednesday. Last day of lectures in Agriculture Diploma courses.

March 22nd, Thursday. Examinations begin in the Agriculture Diploma courses.

March 30th, Friday. Agriculture Diploma course closing exercises.

April 5th, Thursday. Last day for filing Ph.D. theses.

April 7th, Saturday. Lectures end in Upper years of Engineering and Architecture.

April 9th, Monday. Examinations begin in Upper years of Engineering and Architecture.

April 12th, Thursday. Last day for filing theses for Masters' degrees in the Graduate Faculty.

April 13th, Friday. Last day of lectures in Agriculture and Household Science, and the School of Social Work.

April 14th, Saturday. Lectures end for all other students except those in Music, Medicine, Dentistry and the Library School.

April 16th, Monday. Examinations begin in Arts, Science, Commerce, First year Engineering, Third and Fourth years B.Ed. and B.Ed.(P.E.), all years Law, Divinity, Agriculture, Household Science, Nursing, and the School of Physical and Occupational Therapy.

April 17th, Tuesday to April 19th, Thursday. Examinations in the School of Social Work.

April 19th, Thursday. Instruction terminates in Conservatorium of Music.

April 20th, Friday to April 23rd, Monday. Easter vacation in all Faculties and Schools. Administrative offices closed from 5 p.m. April 19th, Thursday, to 9 a.m. April 24th, Tuesday.

April 22nd, Sunday. Baccalaureate Service at Macdonald College.

April 24th, Tuesday. Full-time field work (First year) and full-time research (Second year) begin in the School of Social Work. Examinations begin in Music.

April 25th, Wednesday. Last day for filing M.S.W. theses for Spring Convocation.

April 25th, Wednesday. Spring Survey School for Engineering begins.

April 27th, Friday. Last day for reports on Ph.D. theses. Last day of lectures in the Second term in the Institute of Education.

April 27th, Friday to May 14th, Monday. Final Orals for Ph.D.

April 30th, Monday to May 11th, Friday. Practice Teaching period, Institute of Education.

May 4th, Friday. Lectures end in the Library School. Examination in French for Ph.D. students.

May 7th, Monday. Last day for reports on Masters' Theses.

May 9th, Wednesday to May 17th, Thursday. Examinations in the Library School.

May 16th, Wednesday. Second term examinations begin in the Institute of Education.

May 21st, Monday. Victoria Day. Administrative offices closed.

May 24th, Thursday. Last day of lectures in the Institute of Education.

May 30th, Wednesday. Convocation.

June 1st, Friday. Second term ends in the School of Social Work.

June 3rd, Sunday. Divine Service, Institute of Education and Handicrafts courses.

June 4th, Monday. Graduation exercises, Institute of Education and Handicrafts courses.

June 4th, Monday to June 13th, Wednesday. Examinations in First, Second and Third years Medicine.

August 23rd, Thursday. Last day for filing Masters' theses for Autumn Convocation in the Faculty of Graduate Studies and in the School of Social Work.

McGill University

Montreal

General Announcement

1961-1962

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Institute of Education
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture and School of Household Science)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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ADMINISTRATIVE OFFICERS

THE UNIVERSITY

R. E. Powell, D.Litt. (Monmouth), LL.D. — *Chancellor*

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal and Vice-Chancellor*

David L. Thomson, B.Sc., M.A., Ph.D., LL.D., D.Sc., F.C.I.C., F.R.S.C. — *Vice-Principal*

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P. A. Cunningham — *Superintendent of Buildings and Grounds*

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Muriel V. Roscoe, A.M., Ph.D., D.Sc., LL.D. — *Warden of the Royal Victoria College*

W. Stanford Reid, Th.M., M.A., Ph.D. — *Warden of Douglas Hall*

Richard Pennington, B.A. — *Librarian*

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E. C. Knowles, M.A., D.D. — *University Chaplain and Student Counsellor*

Rowan C. Coleman, D.S.O., M.C., B.A., LL.B. — *Director of the University Placement Service*

H. R. C. Avison, M.A. — *Director of University Extension*

Harry E. Griffiths, B.Com., M.A. — *Director of Athletics, Physical Education, and Recreation*

D. Lorne Gales, B.A., B.C.L. — *Development Officer*

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JOHN J. O. MOORE, M.A., Ed.D. *Director*

MACDONALD COLLEGE

H. G. DION, B.S.A., Ph.D., D.Sc., F.A.I.C.
Vice-Principal of Macdonald College and Dean of the Faculty of Agriculture

HELEN R. NEILSON M.B.E., B.H.S., M.Sc.
Director of the School of Household Science

R. H. PUXLEY *Secretary*

INSTITUTE OF EDUCATION

D. C. MUNROE, M.A. *Director*

McGill University

A BRIEF DESCRIPTION

McGill University, founded under a bequest of the Hon. James McGill, a prosperous Montreal merchant who died in 1813, was established as a university by Royal Charter in 1821. It is privately endowed, the trustees of its funds being the Board of Governors who constitute "The Royal Institution for the Advancement of Learning".

The University has nine faculties and eight schools. Particulars of these are given on pages 410 to 419. Eight of the faculties are situated in Montreal where the University Campus lies on the lower slopes of Mount Royal, the hill from which the city takes its name. Macdonald College at Ste. Anne de Bellevue, about twenty-five miles from Montreal, is an incorporated College of the University, and houses the Faculty of Agriculture, the School of Household Science, and the Institute of Education.

McGill University is undenominational and has now for many years been co-educational in most of its faculties and schools. Admission is definitely selective, the number of students accepted into each faculty being limited. In the 1960-61 session the number of men students studying for either degrees or diplomas was 5,560 and the corresponding number of women students was 2,476. These students are drawn from every province of Canada and from many other countries, the connections with Great Britain, the West Indies, and the United States naturally being strong. At present there are in residence at the University about 135 students from Great Britain and 435 from the United States.

The following pages are intended to give in a condensed form the preliminary information that a student who contemplates entering the University would require, together with the entrance requirements of the various faculties and a list of the certificates accepted. Details of the Junior and Senior School Certificates, the entrance examinations conducted by the University, are given in the School Certificate Announcement. Separate announcements of the several faculties and schools are published and a list of these is printed on the inside of the title page. There is also a pamphlet enclosed with this announcement which gives the fees in the various faculties and schools, a description of the University residences for men and women, an account of the Health Service, and a calendar of dates. The Registrar's Office will be pleased to send one or more of these announcements to anyone interested or to answer inquiries.

ENTRANCE REQUIREMENTS

All Canadian and U.S. students who apply for admission at Junior or Senior Matriculation level in 1962 and subsequent years must take the tests offered by the College Entrance Examination Board.* These consist of the Scholastic Aptitude Test (in two parts—Verbal and Mathematical) and three Achievement Tests selected by the student in consultation with his school principal. The English Composition test is compulsory; the other two tests may be chosen from any of the following: Intermediate Mathematics *or* Advanced Mathematics; Physics; Chemistry; Biology; French; Latin; German; Spanish; and, for United States applicants only, Social Studies.

These tests must be written not later than in March of each year. The tests may be written on one testing date, but it is recommended that applicants write the Scholastic Aptitude Test in December or January, and the three Achievement tests in January or March. The cost to the student for writing the full set of tests is $13.00. Students from the eastern parts of Canada and the United States may obtain information about tests, and test centres, etc. by writing to the College Entrance Examination Board, Box 592, Princeton, New Jersey; students from the West should write to: College Entrance Examination Board, Box 27896, Los Angeles 27, California.

VETERANS' AFFAIRS

E. Clifford Knowles, M.A., D.D. *Student Counsellor*

ADVICE

Veterans who have any problems are recommended to consult Dr. E. C. Knowles, the Student Counsellor. Dr. Knowles has his office in Dawson Hall, the East Wing of the Arts Building.

Visits are made periodically to Macdonald College. For anything urgent, however, students may get in touch with Dr. Knowles through the Assistant Bursar at Macdonald College.

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* Registered Nurses applying to the School for Graduate Nurses are not required to write these tests.

In addition, some applicants to the Faculty of Agriculture and the School of Household Science, as specified in the Macdonald College Announcement, are exempted from this requirement.

The Faculties and Schools of the University

A BRIEF OUTLINE WITH REFERENCES

Announcements of these faculties and schools giving further details may be obtained from the Registrar's Office.

For fees see the Pamphlet of General Information enclosed with this announcement.

I. McGILL COLLEGE (FACULTY OF ARTS AND SCIENCE)

Including the School of Commerce

(*See also page 421*)

The undergraduate work of the University in Arts, in Pure Science, and in Commerce is done in McGill College, usually called the Faculty of Arts and Science. The Dean of McGill College is the Dean of the Faculty of Arts and Science. The following degrees are awarded in the Faculty:

Bachelor of Arts (B.A.)
Bachelor of Science (B.Sc.)
Bachelor of Commerce (B.Com.)
Bachelor of Education (B.Ed.)
Bachelor of Education (Physical Education) [B.Ed.(P.E.)]

In the case of the first three of these degrees, the Faculty offers both a General Degree and an Honours Degree.

The Library School and the School of Social Work are integral parts of the Faculty which, therefore, recommends to Senate candidates for the degrees of *Bachelor of Library Science* and *Master of Social Work.*

The work of students who are candidates for the degree of Bachelor of Commerce and for the degrees of Bachelor of Education and Bachelor of Education (P.E.) is supervised, under the Dean, by the Directors of the School of Commerce and of the Institute of Education, respectively. While the School and the Institute are integral parts of the Faculty, each has a separate Announcement.

Period of Resident Study in the Faculty: Four years from Junior Matriculation or three years from Senior Matriculation (see School Certificate Announcement). In the B.Ed. courses, the work of the first two years is taken at Macdonald College, at Ste. Anne de Bellevue, and the final two years are taken in Montreal.

Minimum Entrance Requirements: Junior Matriculation for admission to the First year. Junior and Senior Matriculation with second-class standing for admission to the Second year. (*See pages 421 to 426.*)

All Canadian and U.S. students who apply for admission at Junior or Senior Matriculation level in 1962 and subsequent years must take the tests offered by the College Entrance Examination Board. These consist of the Scholastic Aptitude Test (in two parts—Verbal and Mathematical) and three Achievement Tests selected by the student in consultation with his school principal. The English Composition test is compulsory; the other two tests may be chosen from any of the following: Intermediate Mathematics, *or* Advanced Mathematics; Physics; Chemistry; Biology; French; Latin; German; Spanish; and, for United States applicants only, Social Studies.

These tests must be written not later than in March of each year. The tests may be written on one testing date, but it is recommended that applicants write the Scholastic Aptitude Test in December or January, and the three Achievement tests in January or March. The cost to the student for writing the full set of tests is $13.00. Students from the eastern parts of Canada and the United States may obtain information about tests, and test centres, etc. by writing to the College Entrance Examination Board, Box 592, Princeton, New Jersey; students from the West should write to: College Entrance Examination Board, Box 27896, Los Angeles 27, California.

The entrance requirements for students from Great Britain are stated on pages 431-432.

Application Forms: For application forms apply to the Registrar's Office.

For further particulars of this faculty, see pages 421 to 430.

II. FACULTY OF MEDICINE

Degrees offered: Doctor of Medicine and Master of Surgery (M.D., C.M.).

Diplomas offered: The Diploma of Tropical Medicine and Hygiene (D.T.M. and H.) and diplomas for advanced study in the various clinical departments of the faculty.

Period of Study in the Faculty for the Degree: Four years.

Licence to Practise: A year of interneship, or a further year of study, is required before the University certifies that a graduate is entitled to take the qualifying examination of any of the licensing boards, so that the length of the full professional course is five years.

Entrance Qualifications: A limited number of students will be admitted from high school to a combined course in Science and Medicine (*see below*). The normal requirement is a B.A. or a B.Sc. degree, but students with exceptionally high qualifications may apply for admission at the end of the Third year of their course. The pre-medical work must include:—

Physics: One year of general college Physics with laboratory work.

Biology: One year of general Biology or Zoology with laboratory work. (One year of Zoology will be accepted, but Botany alone is not sufficient.)

Chemistry: Two years.

(*a*) One full year's course of General Chemistry with laboratory work.

(*b*) One full year's course of Organic Chemistry with laboratory work.

All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test, or furnish a satisfactory explanation of why they are unable to do so. This test should be taken in May of the Third year.

Students wishing to proceed towards medicine at McGill University are reminded that no specific "pre-medical" course is offered. Work preparatory to Medicine is taken while students are proceeding regularly towards the B.A. or the B.Sc. degree in the Faculty of Arts and Science. Students who are preparing for entrance to the Faculty of Medicine are advised that they should not choose subjects which properly belong to the medical course, but should devote their time to securing a thorough preparation in the fundamental scientific and humanistic subjects.

Students are strongly advised to make themselves familiar with the licensing regulations of the province or state in which they intend to practise and to take the necessary steps to become registered. The University requires Canadian students to register with the licensing body of their province before beginning their medical course.

Since the University can accept only a small percentage of those who apply, application should be made to the Secretary of the Faculty of Medicine as early as possible and in no case after January 1st.

Students are normally admitted to the four-year course in Medicine after a four-year college course and the attainment of a bachelor's degree. A special combined course, totalling seven rather than eight years, is offered to a limited number of selected students entering from high school. This leads to the award of both the B.Sc. and the M.D., C.M. degrees.

For further details apply to the Secretary of the Faculty. Application forms for admission into the Faculty of Arts and Science or for admission directly into the Faculty of Medicine may be obtained from the Registrar's Office.

FACULTY OF LAW

The course in the Faculty of Law provides a liberal education in legal principles and theory, and prepares students for the legal and notarial professions as well as for public service and business. In the field of private law, the curriculum is based on the Civil Law system and in particular on the Quebec Civil Code; in the field of public law, stress is laid on Constitutional, International, and Administrative Law, and on the new institutions and procedures resulting from the increased rôle of government in the modern state.

Degree offered: Bachelor of Civil Law (B.C.L.)

Period of Study for the degree: Three years.

Students proceeding to the legal and notarial professions are required to take an additional year of practical training and to pass further examinations.

Language Requirement: Students should be able to read French easily, and reasonable fluency in spoken French is recommended for those who intend to practise in the Courts of this Province.

Entrance Qualifications: To be qualified for admission to the Faculty a student must have obtained a B.A. degree from a Canadian university or a university or college of which the degree is recognized by McGill University as equivalent.

In exceptional cases students who do not intend to practise either the legal or notarial profession may be admitted to the Faculty if they have successfully completed two years in the Faculty of Arts and Science at McGill University, or have attained an equivalent educational standard and are intellectually qualified to pursue with advantage the study of law.

In order to be admitted to the study of law by the Quebec Bar, candidates must hold the degree of B.A. from a Canadian university or a university or college of which the degree is recognized jointly by Laval, McGill, Montreal, Ottawa, and Sherbrooke universities and in addition by the Bar, and satisfy the Bar examiners that they have successfully completed "the regular course in Philosophy" in an approved university. In order to be admitted to the legal profession they must be Canadian citizens.

Candidates for admission to the notarial profession must be Canadian citizens and hold the degree of B.A. from a Canadian or English university or a University or College the degree of which is recognized as the equivalent by Laval, McGill, and Montreal Universities. They are required to have studied Latin and Philosophy.

Further information regarding admission to the Bar may be obtained by applying to Mr. Charles Coderre, Q.C., 170 Dorchester St. E., Montreal, or by consulting the Bar Act of the Province of Quebec. Information regarding admission to the Notarial profession can be obtained by applying to Mr. Arthur Courtois, Room 320, New Court House, Montreal, or by consulting the Notarial Code, 1941 R.S.Q., chap. 263 (as amended).

Application forms for admission may be obtained from the Secretary of the Faculty.

IV. FACULTY OF ENGINEERING

Degrees offered: (1) Bachelor of Engineering (B.Eng.), in the Departments of Chemical, Civil, Electrical, Mechanical, Metallurgical, and Mining Engineering, and in Engineering Physics; (2) Bachelor of Architecture. (*See* School of Architecture, *below.*)

Period of Study for the Degree: Five years from Junior Matriculation.

Entrance Qualifications: — For admission to the First year, Junior Matriculation as for B.Sc. (see page 423 and footnote below). For admission to the Second year, full B.Sc. Junior Matriculation, and Senior Matriculation in English, Mathematics (Algebra, Trigonometry, and Coordinate Geometry), Physics, Chemistry, and one of Biology, French, Geography, German, History, Latin, or Spanish. (See also page 409.) The regulations are given in full in the School Certificate Examinations Announcement and in the Announcement of the Faculty of Engineering.

Students should not contemplate entering the Faculty of Engineering unless they have more than average mathematical ability. The minimum requirements in this subject are stated in the School Certificate Announcement.* For further details see the Announcement of the Faculty of Engineering.

V. SCHOOL OF ARCHITECTURE (IN THE FACULTY OF ENGINEERING)

Degree offered: Bachelor of Architecture (B.Arch.).

Period of Study for the Degree: Six years from Junior Matriculation.

The entrance requirements in Architecture are the same as those for the Engineering courses (*see above*). The length of the course is six years, the first year being identical with the first year in Engineering.

For further details, see the Announcement of the Faculty of Engineering.

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*Students from the Province of Quebec who are applying for admission into First year must offer Trigonometry and Intermediate Algebra as Junior Matriculation subjects. Only in exceptional circumstances will this requirement be waived.

VI. FACULTY OF DENTISTRY

Degree offered: Doctor of Dental Surgery (D.D.S.).

Period of Study in the Faculty for the Degree: Four years.

The minimum requirement for admission to the dental course is the satisfactory completion of two full years of study in a recognized College or Faculty of Arts and Science (or the equivalent thereof), including courses in the following subjects: English and Mathematics, one year of each; Physics, one year with laboratory work; Biology, one year of General Biology or Zoology with laboratory work (half year of Botany and half year of Zoology will be accepted, but not one year of Botany alone); Chemistry, two full courses, including one full course of Organic Chemistry with laboratory work.

Graduation with the degree does not carry with it the right to practise. Each Province and State has differing licensing requirements.

To be qualified to practise in the Province of Quebec, a student must have taken at least two years of the B.A. or B.Sc course in an English university of Canada recognized by McGill University. The student should also register with the College of Dental Surgeons of the Province of Quebec as soon as he is admitted to the First Year of the Faculty of Dentistry.

VII. FACULTY OF AGRICULTURE

This faculty is housed in Macdonald College at Ste. Anne de Bellevue, twenty-five miles from Montreal.

Degree offered: Bachelor of Science in Agriculture [B.Sc. (Agr.)].

Diploma offered: Diploma in Agriculture.

Period of Study in the Faculty for the Degree: Four years.

For entrance qualifications, fees, and further details, see the Announcement of Macdonald College, which may be obtained from the Registrar, Macdonald College, P.Q.

VIII. FACULTY OF MUSIC

Degree offered: Bachelor of Music (Mus.B.).

Diplomas offered: Licentiate in Music (L. Mus.).
Associate in Music (A. Mus.).

Minimum period of study in the Faculty for the Degree: Four years.

For further details see the Announcement of the Faculty of Music.

IX. FACULTY OF DIVINITY

Degree offered: Bachelor of Divinity (B.D.).

Period of Study for the Degree: Three years.

Entrance Qualifications: A Bachelor's degree (preferably B.A.) from a recognized University.

The Faculty provides courses designed to ensure a sound theological education. The associated Colleges of the Anglican and United Churches co-operate with the Faculty to provide vocational training for those students who are ordinands of their respective ministries, but entrance is not restricted to ordinands of those Churches or of any Church. Women students and students not seeking ordination are eligible for admission to the Faculty.

For details, see the Announcement of the Faculty of Divinity.

X. FACULTY OF GRADUATE STUDIES AND RESEARCH

Degrees offered: Master of Arts (M.A.), Master of Science (M.Sc.), Master of Engineering (M.Eng.), Master of Architecture (M.Arch.), Master of Sacred Theology (S.T.M.), Master of Civil Law (M.C.L.), Master of Science (Applied) [M.Sc.(Appl.)], Master of Library Science (M.L.S.), Master of Laws (LL.M.), Doctor of Philosophy (Ph.D.).

Diplomas offered: Diploma in Electrical or Mechanical Engineering; Diploma of Graduate Study in Education.

For details consult the Announcement of the Faculty of Graduate Studies and Research.

XI. SCHOOL OF HOUSEHOLD SCIENCE (IN THE FACULTY OF AGRICULTURE)

Degree offered: Bachelor of Science in Home Economics [B.Sc. (H.Ec.)].

Period of Study for the Degree: Four years.

For entrance requirements and other details see the Announcement of Macdonald College which may be obtained from the Registrar, Macdonald College, P.Q.

XII. LIBRARY SCHOOL (IN THE FACULTY OF ARTS AND SCIENCE)

Degree offered: Bachelor of Library Science (B.L.S.).

Period of Study: One year.

Entrance Qualifications: Bachelor's degree.

For details see the Announcement of the Library School.

XIII. SCHOOL FOR GRADUATE NURSES

(IN THE FACULTY OF MEDICINE)

DIPLOMA COURSES

One-year programmes in:

1. Teaching and Supervision in Schools of Nursing with specialization in Teaching of the Basic Sciences, Medical-Surgical Nursing, Psychiatric Nursing, and Maternal and Child Health Nursing. (Students may elect to do the major part of their work in either Pediatric Nursing or Obstetric Nursing.)
2. Public Health Nursing.

Entrance Qualifications: Junior Matriculation or its equivalent, and graduation from an approved school of nursing.

Satisfactory professional experience is a prerequisite.

DEGREE COURSES

Bachelor of Nursing

Two-year programmes leading to the degree of Bachelor of Nursing (B.N.), with study in two main areas:

1. Advanced Nursing Education (with opportunity to continue study in the special field selected in First year) *or* Administration in Hospitals and Schools of Nursing.
2. Administration and Supervision in Public Health Nursing.

Entrance Qualifications: Senior Matriculation or its equivalent, and graduation from an approved school of nursing.

Satisfactory professional experience is a prerequisite.

Bachelor of Science in Nursing

This programme prepares high-school graduates for professional nursing in all clinical fields including public health. The programme combines general education with the knowledge and skills essential to the practice of nursing. The course is five years in length for students entering with McGill Junior Matriculation and four years for those entering with McGill Senior Matriculation, provided they have met the requirements of the first year of the programme.

Entrance Qualifications: McGill Junior Matriculation, or its equivalent, with a general average for all papers of at least 65 per cent (see page 409).

XIV. SCHOOL OF SOCIAL WORK

(IN THE FACULTY OF ARTS AND SCIENCE)

A two-year graduate course leading to the degree of Master of Social Work (M.S.W.).

Entrance Qualifications: A Bachelor's degree from a university or college of recognized standing. Applicants should have completed their undergraduate course with superior standing. This should provide a broad liberal education and should include a substantial core in the social sciences, particularly sociology, psychology, economics, and political science. The social science core would usually involve at least one introductory course in each of the above with some more advanced courses in one of them. A course in descriptive statistics is required.

For details see the separate Announcement of the School of Social Work.

XV. SCHOOL OF PHYSICAL AND OCCUPATIONAL THERAPY

(IN THE FACULTY OF MEDICINE)

(Women Only)

Period of Study: Three years in the School leading to the Diploma of Physical or of Occupational Therapy. Five years in the School leading to a degree in Physical and Occupational Therapy [B.Sc.(P.&O.T.)].

Entrance Qualifications: Junior Matriculation or its equivalent (see page 409).

For further particulars see the separate Announcement of the School of Physical and Occupational Therapy.

XVI. FRENCH SUMMER SCHOOL

(IN THE FACULTY OF ARTS AND SCIENCE)

A residential summer school with an entirely French staff, offering undergraduate and graduate courses.

Dates: 27th June to 9th August.

Inclusive Fee (tuition, room, and board): $355.

For special Announcement apply to the Director, French Summer School, Arts Building, McGill University.

XVII. GEOGRAPHY SUMMER SCHOOL

(IN THE FACULTY OF ARTS AND SCIENCE)

A residential six weeks' summer school held at Stanstead, Que., and offering undergraduate and graduate courses.

Not given in 1961.

For special Announcement, apply to the Director, Geography Summer School, McGill University, Montreal.

XVIII. INSTITUTE OF EDUCATION

(IN THE FACULTY OF ARTS AND SCIENCE)

The School for Teachers and the School of Physical Education are part of this Institute.

Degrees offered: Bachelor of Education, and
Bachelor of Education (P.E.)
Master of Arts (Education)

Diplomas offered: Diploma in Physical Education, and First, Second, Third Class and Kindergarten Diplomas (issued by the Central Board of Examiners, Quebec).

Period of Study: Degree courses—four years (two years at Macdonald College and two years at McGill University.

Diploma in Physical Education—two years
Other Diplomas—one and two years

For further details, see the Announcement of the Institute of Education.

APPLICATION FOR ADMISSION TO ALL FACULTIES

Application forms for all years in the Faculties of Arts and Science, and Engineering, and for the First year in Medicine and Dentistry may be obtained from the Registrar's Office. Application for admission to other faculties or years should in the first instance be made by letter to the Registrar.

All letters of inquiry should indicate the degree or diploma in which the candidate is interested, so that specific advice can be given regarding entrance requirements.

ADMISSION FROM OTHER UNIVERSITIES

A student of another university applying for advanced standing or for exemption from any subject or subjects which he has already studied must submit with his application a certified copy of his academic record, and may in addition be required to submit a Calendar or Bulletin of the University in which he has previously studied. He should also arrange to have sent separately to the University a confidential report from an officer of instruction or administration who is familiar with his work.

RESIDENTIAL ACCOMMODATION

The University maintains a number of residences which are described in the General Information Pamphlet enclosed with this Announcement. Space is limited, however, and the University does not undertake to provide living accommodation for all *men* students. Application for, and admission into, an academic course are entirely separate from application

for, and admission into, a University residence. Residential application forms can be obtained from the individual residence or from the Registrar's Office.

SCHOLARSHIPS AND BURSARIES

Details of the University Entrance Scholarships and of other scholarships, bursaries, and loan funds are given in the Scholarships Announcement which may be obtained from the Registrar's Office.

PHYSICAL EDUCATION REQUIREMENT

The University requires all students in the First year of the courses leading to the B.A., B.Sc., B.Com., B.Eng., B.Mus., B.Sc.(P.&O.T.), and B.Sc.(N.) degrees to take a course in Physical Education. There are a large number of activities and sports from which students may choose in order to satisfy this regulation. Details of the programme will be published at the time of registration.

FOREIGN STUDENTS

McGill University welcomes properly-qualified foreign students provided they have an adequate knowledge of written and spoken English. Their qualifications are normally judged upon the results of their academic record in the country they come from and there are no special entrance examinations for them. It must be emphasized that all lectures, seminars, etc., in the University are conducted in English, and that many students in the past have failed in their academic studies because of inadequate proficiency in the English language.

The Faculty of Arts and Science

For further particulars see page 410 and also the separate Announcement of the Faculty.

The undergraduate work of the University in the Humanities, and in Social Sciences (B.A.), in the Physical and Biological Sciences (B.Sc.), and in Commerce (B.Com.) is done in McGill College, usually called the Faculty of Arts and Science. Complete details of these courses are given in the separate Announcements of the Faculty of Arts and Science and the School of Commerce, but the information on page 410 and the following notes will, it is hoped, answer most of the inquiries a student entering the First or Second year of the Faculty would wish to make before actually coming to the University.

Correspondence should in the first instance be sent to the University Registrar.

WOMEN STUDENTS

Women are admitted to the courses and to the degrees of the Faculty on the same terms as men.

Women students whose homes are in Canada but outside Montreal must make application for residence before May 31st to the Warden of the Royal Victoria College. Other students must apply not later than March 1st. At the same time, they must submit their academic applications. Forms for these purposes are obtainable from the College or from the Registrar's Office. (*See also pages 307 to 310 of the General Information Pamphlet enclosed with this Announcement.*)

AGE OF ADMISSION

Except in special circumstances, no student under the age of sixteen is admitted to the First year, or under the age of seventeen to the Second year.

ENTRANCE REQUIREMENTS

All Canadian and U.S. students who apply for admission at Junior or Senior Matriculation level in 1962 and subsequent years must take the tests offered by the College Entrance Examination Board. These consist of the Scholastic Aptitude Test (in two parts—Verbal and Mathematical) and three Achievement Tests selected by the student in consultation with his school principal. The English Composition test is compulsory; the other two tests may be chosen from any of the following: Intermediate Mathematics, *or* Advanced Mathematics; Physics; Chemistry; Biology; French; Latin; German; Spanish; and, for United States applicants only, Social Studies.

These tests must be written not later than in March of each year. The tests may be written on one testing date, but it is recommended that applicants write the Scholastic Aptitude Test in December or January, and the three Achievement tests in January or March. The cost to the student for writing the full set of tests is $13.00. Students from the eastern parts of Canada and the United States may obtain information about tests, and test centres, etc. by writing to the College Entrance Examination Board, Box 592, Princeton, New Jersey; students from the West should write to: College Entrance Examination Board, Box 27896, Los Angeles 27, California

Students may be admitted into the Faculty, as regular undergraduates if, after taking the College Board tests they have obtained the necessary standing in the required papers of the McGill Junior or Senior School Certificate examination, or their recognized equivalents. Full details concerning these examinations are given in the School Certificate Examinations Announcement, which may be obtained from the Registrar's Office. *A student with incomplete matriculation qualifications is not admitted as a regular undergraduate.*

1. ENTRANCE TO THE FIRST YEAR (Junior Matriculation) (See also preceding page.)

To qualify for admission to the first year of the Faculty of Arts and Science a candidate must pass within a period of sixteen months in each of the ten McGill School Certificate papers listed below, or their recognized equivalents.

If a candidate has failed in a paper or if his average falls below the required value, he may ask for reconsideration of his application on the basis of re-written papers, but the final mark will be counted in all cases.

(*a*) *For admission to the First year of the B.A. course* a candidate must pass in each of the following papers in the University's Junior School Certificate and obtain an average of at least 65% on the examination as a whole.

No. of Papers	Subject
2	English
1	General History
2	Latin *or* Greek
2	French; Latin; Greek; German; Russian; *or* Spanish; (a language not already chosen)
2	Elementary Algebra *and* Elementary Geometry

1	One of the following: Biology; Botany; Chemistry; Drawing; Geography; British or Canadian History; Physics; Music; Intermediate Algebra; Trigonometry; *or* a foreign language not already chosen (the average of the two papers in a foreign language is counted); North American Literature (Quebec High School Leaving).
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10 papers	

A candidate who has not taken Latin or Greek in the entrance examination may be admitted if he has the full B.Sc. qualifications with an average mark of at least 70%. If he is admitted he will be required to include two years of Latin or Greek in his B.A. programme.

(*b*) *For admission to the First year of the B.Sc. course* a candidate must pass the following papers in the University's Junior School Certificate Examination and normally obtain at least 70% upon the examination as a whole. Special consideration may, however, be given to B.Sc. candidates who have secured an average of 65% to 70% and have shown special distinction in such scientific subjects as they have taken in their matriculation, i.e., Mathematics, Chemistry, Physics, Biology, or Botany.

No. of Papers	Subject
2	English
1	General History
2	French *or* German (both papers)
1	Elementary Algebra
1	Elementary Geometry
1	One of the following: Biology; Botany; Chemistry; Physics
2	*Either* Latin *or* Spanish *or* French *or* German (if not already chosen), *or* any two of the following papers not already chosen: (a) Intermediate Algebra (b) Trigonometry (c) Biology *or* Botany (Biology *and* Botany may not both be chosen) (d) Chemistry (e) Geography (f) Physics (g) British *or* Canadian History

(h) Music *or* Drawing (Music *and* Drawing may not both be chosen)

(i) North American Literature (Quebec High School Leaving)

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10 papers

(*c*) *For admission to the First year of the B.Com. course* a candidate must have satisfied *either* the requirements for entrance to the B.A. *or* the requirements for entrance to the B.Sc. course.

(*d*) *For admission to the First year of the B.Ed. or B.Ed. (P.E.) course* a candidate must fulfil the requirements for admission to the first year of the B.A. or the B.Sc. course. Students applying for admission by means of the Quebec High School Leaving examinations may offer Agriculture, Household Science, or North American Literature as optional papers.

2. ENTRANCE TO THE SECOND YEAR (Senior Matriculation) (See also page 409.)

A candidate may be considered for admission to the Second year of the Faculty of Arts and Science if he has taken the College Entrance Examination Board tests and has passed in the appropriate ten papers of the McGill Junior School Certificate Examination, or their recognized equivalents, and if he has passed within a period of sixteen months in the papers of the McGill Senior School Certificate Examination, or their recognized equivalents, with an average of at least 70% on the examination as a whole. Special consideration may, however, be given to candidates who have received an average of 65% to 70% if they have obtained high standing in all such subjects as they have taken in the examination which are appropriate to the degree course which they wish to enter. These are: *in Arts*—English, Languages, History; *in Science*—Mathematics, Physics, Chemistry, Biological Science; *in Commerce*—English, History, Mathematics.

The same provisions regarding re-written papers apply to Senior Matriculation as apply to Junior Matriculation (see page 422).

Only in exceptional circumstances may a student who has not qualified for entrance to the First year through Junior Matriculation be admitted to the Second Year by Senior Matriculation alone.

(*a*) *For admission to the Second year of the B.A. course* —

English

Latin *or* Greek

Mathematics (*see footnotes* [1] *and* [2])

Any two of the following:—

1. History
2. Latin *or* Greek (the one not already chosen)
3. French
4. German
5. Spanish
6. Russian
7. Science (Physics *or* Chemistry *or* Biology)
8. Music
9. Geography

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[1]Two papers: one in Algebra and one in Trigonometry. Candidates who have passed in School Certificate Trigonometry may write Co-ordinate Geometry instead of Senior Trigonometry. The paper in Co-ordinate Geometry, written in addition to the other two, if necessary, is strongly recommended for candidates who intend to study for Honours in Mathematics, Physics, or Chemistry.

[2]Candidates who seek admission to the second year of the B.A. course and who have *both* (a) passed in the Elementary Algebra anP Elementary Geometry of the Junior School Certificate (or its equivalent) and (b) achieved at least 75% in the Junior School Certificate examination (or its equivalent) in History, a Classical Language or a Modern Foreign Language, may substitute another subject for Mathematics in the Senior Matriculation curriculum.

For purposes of this substitution, a candidate who has satisfied the requirement of the Junior School Certificate (or its equivalent) in French, may offer the Junior Certificate papers in Greek or Latin (whichever was not taken in Junior Certificate) or in German or in Spanish or in Russian.

If either Chemistry or Physics is chosen for Senior Matriculation, a candidate must also offer Mathematics, and he is strongly advised to do so if, in the University, he proposes to study Economics or Sociology or Geography.

Candidates who intend to apply for entrance to the Faculty of Medicine at the end of the Third year of the B.A. course must take Mathematics.

(*b*) *For admission to the Second year of the B.Sc. course* —

English
Mathematics[1]
Physics
Chemistry
French *or* German[2] *or* Spanish *or* Latin *or* Greek *or* History *or* Biology *or* Geography

(*c*) *For admission to the Second year of the B.Com. course* —

English
Mathematics[1]
Accountancy[3]
A modern foreign language
History, *or* a second foreign language, *or* a Science (including Geography)

FURTHER INFORMATION

Full details of the above examinations are given in the School Certificate Examinations Announcement.

APPLICATION FOR ADMISSION

It is advantageous for out-of-town candidates to make preliminary application, on the proper forms, as early in the year as possible, supplementing this later with the required certificates, transcripts, etc., as these become available.

Applicants should note that clear photo-copies of original documents are acceptable if submitted in duplicate. Sending such copies avoids the risk of losing the originals in the mails.

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[1]For B.Sc. and B.Com.—two papers, one in Algebra and one in Trigonometry. Candidates who have passed in School Certificate Trigonometry may write Co-ordinate Geometry instead of Senior Trigonometry.

The paper in Co-ordinate Geometry, written in addition to the other two, if necessary, is strongly recommended for candidates who intend to study for Honours in Mathematics, Physics, or Chemistry.

[2]A candidate who has passed the two papers in Junior French may obtain Senior B.Sc. or B.Eng. standing in German by passing the Junior examinations in this subject.

[3]Applications of students who have substituted another subject for Accountancy may be considered if their standing is high enough.

The Admissions Committee also requires a confidential report from the Principal of the applicant's school. This may if desired be made on a form obtainable from the Registrar.

Students whose native language is not English must satisfy the Assistant Dean that their command of written and spoken English is adequate.

The number of students admitted is limited, and the Faculty is not bound to accept all applicants who have passed the required examinations.

CLASSES OF STUDENT IN THE FACULTY

(1) *Regular Undergraduates:* Students with complete matriculation qualifications taking the regular work of their year towards a degree.

(2) *Limited Undergraduates:* Students with complete matriculation qualifications who have been given the permission of the Dean of the Faculty to distribute the four years' work over five or more years (but not more than eight years), on the understanding that the sequence of courses conforms to the regular undergraduate rules and time table.

Limited Undergraduates are not eligible for scholarships, bursaries, or prizes of any description and may not read for an honours degree.

(3) *Partial Students:* Students not registered as proceeding to a degree who are allowed to take one or more lecture courses. Partial students must obtain the Dean's permission to register and must satisfy the lecturer in the course concerned that they have sufficient ability to do the work in such a course. Applications may be refused if limitation of space in lecture rooms and laboratories requires it. A student who has tried and failed to matriculate is not allowed to register as a partial student except in special circumstances.

If a partial student hopes to secure credit for a course, he or she must fulfil all the requirements of classroom work and tests which are prescribed for that course for regular students.

A partial student who has successfully passed the courses of a previous year is not necessarily accepted at a later session.

Subject to the above limitations, lectures are open to partial students in both honours and general classes. Such a student may request the Registrar to issue a certificate stating that he has followed certain courses and showing his class standing in each. Work taken by a partial student cannot, however, be counted towards a McGill degree without a special vote of Faculty.

Partial students are not eligible for scholarships, bursaries, medals, or prizes.

PERIOD OF STUDY

The regular length of the course for a B.A., B.Sc., or B.Com. degree is four years from Junior Matriculation, or three years from Senior Matriculation. Students from other universities are sometimes admitted to the upper years, but the bachelor's degree is never conferred upon a student who has spent less than two years in the Faculty.

REGISTRATION

First year students in Arts, Science and Commerce will register on Monday, September 18th. The letter of acceptance will state the exact time at which students in the various courses are to come to register.

Students in Second, Third and Fourth year Arts and Third and Fourth year B.Ed. will register on Thursday, September 21st. The letter of acceptance (in the case of new students) or the Report of Standing will give the exact time at which individual students must register.

Students in Second, Third and Fourth year Science and all partial students will register on Friday, September 22nd. The letter of acceptance (in the case of new students) or the Report of Standing will give the exact time at which individual students must register.

Students in Second, Third and Fourth year Commerce will register on Saturday morning, September 23rd.

All registration will be held in the Sir Arthur Currie Gymnasium-Armoury, 475 Pine Avenue West.

After the above official days of registration a special late registration fee must be paid (see General Information pamphlet).

No student is admitted after September 30th except by special permission of the Dean.

Special regulations for the registration of women students are given in the General Information pamphlet.

ADVISERS

Students may consult the Dean, any of the Group Chairmen, or the Assistant Dean, at any time. Women students may also consult the Warden of the Royal Victoria College.

GENERAL DEGREES AND HONOURS DEGREES

An undergraduate in the Faculty of Arts and Science may proceed to a General Degree, involving the study of a fairly wide range of subjects with a limited amount of specialization, or to an Honours Degree which,

after the Second year, necessitates almost complete specialization in either one or two subjects. For details see the Announcement of the Faculty of Arts and Science.

The word "Honours" is used in the Faculty of Arts and Science in the above sense only. Students who have shown marked ability while proceeding to a General Degree may be awarded Distinction or Great Distinction upon graduating, but do not obtain Honours.

COURSES

Study for degrees in the Faculty is conducted by the following Departments:

Anatomy
(s) Bacteriology and Immunology
(s) Biochemistry
(s) Botany
(s) Chemistry
(a) Classics (Latin and Greek)
(a,s) Geography
(s) Geological Sciences
(a) German and Russian
(a) History
(a,s) Mathematics
Music
(a) Philosophy
(s) Physics
(a) Economics and Political Science
Education
(a) English (including some work in Theatre Arts)
Fine Arts
(s) Genetics
(s) Physiology
(a,s) Psychology
Religion
Romance Languages [French(a); Spanish, Italian]
(a) Sociology and Anthropology
(s) Zoology

Certain interdepartmental courses are offered as well.

Departments offering Honours courses for the B.A. degree are marked (a): those offering Honours courses for the B.Sc. degree are marked (s).

Students proceeding to the B.Com. degree also take courses in

Accounting
Business Organization and Industrial Management
Commercial Law
Marketing

B. Com. students who undertake sufficiently specialized work in Economics or Political Science (Public Administration) may obtain an Honours degree in one or other of these subjects.

ATTENDANCE

Students in the First and Second years are required to attend at least seven-eighths of the total number of lectures and of the total number of laboratory periods in each course.

EXAMINATION MARKS

The pass mark in all examinations is 50 per cent, and the minimum marks for first and second class standing are 80 per cent and 65 per cent respectively.

THE TWO TERMS

The regular session is divided into two terms, the first starting about the end of September and the second starting in early January. (For Calendar, see the General Information Pamphlet.) Students commencing a year in the Faculty are normally permitted to enter only at the beginning of the Fall term.

ADMISSION TO THE SECOND AND THIRD YEARS

Applications for entrance to the Second and Third years of the Faculty should be made to the Registrar's Office on the proper forms, and must be accompanied by complete details of previous school and university work. (*See also pages 419, 424.*)

To obtain a bachelor's degree a student must spend at least two years in McGill College.

CONCERNING STUDENTS WHO INTEND TO PROCEED INTO THE PROFESSIONAL FACULTIES

Each undergraduate in the Faculty is required to register for one of the bachelor's degrees offered (see page 410), and, unless otherwise instructed by the Dean, must follow the regular work of his year toward this degree.

Students intending to transfer into one of the professional faculties before graduating in Arts and Science should make themselves familiar with the entrance requirements of the faculty they seek to enter and should see that the courses they choose conform with these requirements.

For details concerning the granting of the B.A. or B.Sc. degree to students who transfer into the Faculty of Medicine or the Faculty of Dentistry at the end of the Third year, see the Announcement of the Faculty of Arts and Science.

SCHOLARSHIPS AND BURSARIES

A separate announcement giving details of scholarships and bursaries may be obtained from the Registrar's Office.

EXAMINATIONS RECOGNIZED FOR ADMISSION TO THE UNIVERSITY

McGill University recognizes a number of public examinations as conferring, in certain circumstances, the equivalent of Junior or Senior Matriculation standing for admission to the Faculty of Arts and Science, the Faculty of Engineering, and other faculties and schools.

The Admissions Committees of the various faculties require generally that:

(1) The certificate shall have been obtained under no easier conditions than those of McGill matriculation.

(2) The subjects of the examination and the school course followed shall be those the University requires.

(3) The school records and confidential reports shall be satisfactory.

Candidates who wish to enter by certificate should in no circumstances come to the University without first having obtained an official acceptance of their application.

The following gives a brief outline of the certificates and examinations *which will be considered on their merits* towards meeting the University entrance requirements. For more extensive lists and further details see the School Certificate Examinations Announcement.

1. *For admission to the First year of the B.A., B.Sc., B.Com., B.Ed., B.Eng., B.Arch., B.Sc.(Agr.), B.Sc.(H.Ec.), B.Ed.(P.F.), B.Sc.(N.), and B.Sc. (P.&O.T.) courses:*

Canada

The recognized Junior Matriculation or equivalent examinations of the various provinces. (*See also page 409.*)

Great Britain

In the General Certificate of Education, passes in five suitable subjects excluding Religious Knowledge will be the normal standard for admission.

Intending students should ensure that the subjects they are offering are suitable for their proposed course of study.

United States

The tests of the College Entrance Examination Board. All candidates from the United States are required to write these tests, preferably at the January or the March session. The Scholastic Aptitude tests and three Achievement tests, the latter chosen in consultation with the applicant's school Principal, should be taken. Further particulars are available from the Registrar's Office.

Miscellaneous

Other certificates such as those issued by universities or public examining boards will be judged on their merits and accepted if they meet all the University requirements.

2. *For admission to the Second year of the B.A., B.Sc., B.Com., B.Ed., B.Eng., B.Arch., B.Sc.(Agr.), B.Sc.(H.Ec.), B.Ed.(P.E.), and B.Sc. (P.&O.T.) courses, and to the graduate degree course in Nursing:*

Canada

The recognized Junior and Senior Matriculation or equivalent examinations of the various provinces. (*See also page 409.*)

Great Britain

In the General Certificate of Education, passes in five approved subjects at Ordinary level and two appropriate subjects at Advanced level.

United States

Completion of one year in an approved college with a suitable syllabus and good grades.

McGill University

Montreal

School Certificate Examinations

June and August 1962

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
Institute of Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, and School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (available for distribution only to libraries and officials of certain institutions.)

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The School Certificate

The Junior School Certificate examination is intended as a test for pupils who are completing their secondary school education.

The requirements for the certificate are given below, and also the requirements for admission to various courses at McGill University. It must be emphasized that these are not the same thing. To matriculate, i.e. to enter the University, a candidate must write and pass all the papers required by the faculty he wishes to enter and obtain the average mark the faculty has set. Thus, to enter the Faculty of Arts and Science an applicant must write ten papers (see page 511), although he may obtain the Junior School Certificate by writing eight papers only.

The Senior School Certificate examination is intended as a corresponding test for pupils who have done one year of academic work beyond that required for the Junior School Certificate.

The standard of the senior papers is approximately that of the First Year examinations in the Faculty of Arts and Science, but the certificate does not automatically confer the right to enter the Second Year of any university course.

For the conditions under which these certificates will admit into the various faculties of the University, see pages 511 to 514 and pages 533 to 536.

School Certificate Examinations

GENERAL REGULATIONS

JUNE AND AUGUST EXAMINATIONS

The School Certificate examinations are held in June and August— in June at McGill University and also at local centres; in August at McGill University only. The time-tables for these examinations are issued in February each year.

All inquiries relating to the examinations should be addressed to the Registrar of the University.

APPLICATION FORMS

Every candidate for examination is required to fill in an application form and return it to the Registrar's Office with the necessary fee before the 1st of May* or the 1st of August, for the June or August examinations respectively. Applications may be accepted for the Montreal centre only until May 15th or August 15th. A special late fee of $1.00 is charged for such applications.

FEES

Junior Examination. The Junior Examination fee is $3.00 per paper with a maximum fee of twenty dollars.

Senior Examination. The Senior Examination fee is $3.00 per paper with a maximum fee of twenty dollars.

REGULATIONS CONCERNING FEES

In centres outside Montreal candidates may be required to pay the whole or part of the expenses of invigilation.

A fee of $1.00 is charged for late applications (*see above*).

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*Candidates wishing to take the examinations in Oral French (*see pages 521 and 544*) at a centre outside Montreal must notify the Registrar in writing before the *first of April* in addition to making application on the usual forms. The University will then decide whether this examination can be held at the requested centres.

No refunds are paid to candidates after the last day of registration (1st May or 1st August), excepting only when a candidate is absent throughout the whole examination on account of illness, and a medical certificate to this effect is presented within four weeks of the close of the examination.

Fees paid for one examination cannot be credited towards a subsequent examination.

CERTIFICATES

The examinations may be taken in parts but the University will issue a School Certificate only on the results of examinations written within a period of sixteen months.

School Certificates are issued only to candidates who have passed the complete University School Certificate Examination.

TEXTBOOKS

JUNIOR SCHOOL CERTIFICATE

The University does not recommend or refer to specific textbooks in the syllabi of its Junior School Certificate Examinations, except in Mathematics. Set "texts", however, form an essential part of the language papers.

SENIOR SCHOOL CERTIFICATE

The University has also discontinued the recommendation of some of the Senior School Certificate textbooks, but in some subjects it is considered desirable that the work should follow closely that of the corresponding course in the first year of the Faculty of Arts and Science, and in such subjects the textbooks used in the University courses have been retained as Senior School Certificate textbooks for the present.

CONSULTATION WITH DEPARTMENTS

The University Departments concerned will be pleased to give school principals or specialist teachers advice concerning methods or books of reference, and to discuss problems that may arise in connection with the syllabi for either the Junior or the Senior School Certificate Examinations. The Assistant Registrar will be glad to arrange such conferences.

PREVIOUS PAPERS

Books containing the examination papers set in either June or August of any one year may be obtained from the University Bookstore, at 25 cents a copy, so long as quantities last.

PUBLICATION OF RESULTS

Each candidate will receive a statement of his results as soon as they are ready. The certificates are sent to successful candidates a little later.

A list of the successful candidates is published in the Press. This list gives the class of the certificates obtained and any distinctions gained, but does not give any relative order of merit within the three classes.

The actual marks in each paper are sent to each candidate and are given on the back of the certificate but are not otherwise published.

Junior School Certificate

REQUIREMENTS FOR THE CERTIFICATE

To obtain a School Certificate a candidate must complete the requirements within a period of sixteen months. This allows four attempts in the June and August examinations of two successive years.

For first and second-class certificates two attempts only are allowed. For details, see page 510.

The pass mark in each paper is fifty per cent. To obtain the certificate a candidate must write eight papers chosen according to the regulations that follow and must *either* pass in every paper *or* obtain an average of at least sixty per cent in the eight papers with no individual mark below forty per cent.

COMPULSORY PAPERS

English Literature
English Composition
*French Written paper

OPTIONAL PAPERS

Five papers on optional subjects must be chosen from not less than two of the three groups below:

GROUP I	GROUP II
Algebra	French Oral examination
Geometry	German (two papers)
Chemistry	Spanish (two papers)
Physics	Latin (two papers)
Botany	Greek (two papers)
Biology	Russian (two papers)
Intermediate Algebra	
Trigonometry	
Higher Arithmetic	

*The University may, in special circumstances, permit candidates to substitute another modern language for French.

GROUP III

General History
British History *or* Canadian History
Geography
Art
Music

A candidate may write more than eight papers—in fact ten are required for entrance to the University (see page 511)—but the certificate is awarded on the eight papers only. If a successful candidate writes more than eight papers, the class of the certificate he receives is reckoned on the subjects in which he has the highest marks. If such a candidate offers a subject, such as Latin, which has two papers, the marks in both these papers must either count towards the certificate or be neglected, i.e., a candidate cannot count towards his certificate the better of two Latin marks and the better of two German marks.

FIRST, SECOND, AND THIRD CLASS CERTIFICATES

Successful candidates are awarded a School Certificate of the first, second, or third class.

To obtain a first or second class certificate a candidate must complete the examination in not more than two attempts within a period of sixteen months and may write a part of the examination at each attempt. The marks obtained in his first attempt will always be counted towards a third class certificate, but will not be counted towards a first or second class certificate if he fails in more than one paper. To obtain a first or second class certificate such a student must rewrite the whole examination, and the certificate will be awarded solely on the marks obtained at the second attempt.

An average of 80% or over in all the papers required for the certificate entitles a candidate who has complied with the previous regulation to a first class certificate.

An average of 70% or over obtained under the same conditions, entitles a candidate to a second class certificate. Other successful candidates receive a third class certificate.

DISTINCTIONS

Candidates who obtain 80% or over in any subject are given distinction in this subject. Distinction is not given in *single* papers of Mathematics or the languages (including English).

ENTRANCE REQUIREMENTS OF FACULTIES ADMITTING STUDENTS ON THE BASIS OF THESE EXAMINATIONS (JUNIOR MATRICULATION)

All Canadian and U.S. students who apply for admission at Junior or Senior Matriculation level in 1962 and subsequent years must take the tests offered by the College Entrance Examination Board.* These consist of the Scholastic Aptitude Test (in two parts—Verbal and Mathematical) and three Achievement Tests selected by the student in consultation with his school principal. The English Composition test is compulsory; the other two tests may be chosen from any of the following: Intermediate Mathematics or Advanced Mathematics; Physics; Chemistry; Biology; French; Latin; German; Spanish; and, for United States applicants only, Social Studies.

These tests must be written not later than in March of each year. The tests may be written on one testing date, but it is recommended that applicants write the Scholastic Aptitude Test in December or January, and the three Achievement tests in January or March. The cost to the student for writing the full set of tests is $13.00. Students from the eastern parts of Canada and the United States may obtain information about tests, and test centres, etc. by writing to the College Entrance Examination Board, Box 592, Princeton, New Jersey; students from the west should write to: College Entrance Examination Board, Box 27896, Los Angeles 27, California.

FACULTY OF ARTS AND SCIENCE

In addition to taking the College Board tests, to quality for admission to the First year of the Faculty of Arts and Science a candidate must pass (i.e. obtain 50%) within a period of sixteen months in each of the ten McGill School Certificate papers listed below, or their recognized equivalents. For entrance to the B.A. course an average mark of at least 65% must be obtained in ten papers including two in Latin or in Greek. If neither Latin nor Greek is included the average required is 70%.

For entrance to the First year of the B.Sc. course, the candidate must normally obtain an average of at least 70%. Special consideration may, however, be given to B.Sc. candidates who have secured an average of 65% to 70% and have shown distinction in subjects related to the course they wish to enter.

*Registered Nurses applying to the School for Graduate Nurses are not required to write these tests.

In addition, some applicants to the Faculty of Agriculture and the School of Household Science, as specified in the Macdonald College Announcement, are exempted from this requirement.

To enter the B.Com. course, a candidate must have the qualifications listed above for either the B.A. or the B.Sc. course.

Entrance qualifications for the B.Ed. and B.Ed.(P.E.) courses are shown on page 513.

ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.A. DEGREE

In the University's own examination ten papers are required.

No. of Papers	Subject
2	English
1	General History
2	Latin *or* Greek*
2	Written and Oral French *or* two papers in Greek *or* Latin (the one not already chosen), *or* German, *or* Spanish *or* Russian.
2	Elementary Algebra Elementary Geometry
1	One of the following: Biology; Botany; Chemistry; Art; Geography; Physics; Music; Intermediate Algebra; Trigonometry; Canadian History *or* British History; a foreign language not already chosen (the average of the two foreign language papers is counted). (Students from the Province of Quebec may offer North American Literature as an optional paper.)
10 papers	

2. ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.Sc. DEGREE

In the University's own examination ten papers are required.

No. of Papers	Subject
2	English
1	General History
2	Written *and* Oral French *or* two papers in German
2	Elementary Algebra Elementary Geometry

*A candidate who has not taken Latin or Greek in the entrance examination may be admitted if he has the full B.Sc. qualifications with an average mark of at least 70%. If he is admitted he will be required to include two years of Latin or Greek in his B.A. programme.

1 One of the following:
Biology; Botany; Chemistry; Physics

2 *Either* Latin *or* Spanish *or* French *or* German (if not already chosen) *or* any two of the following papers not already chosen:
(a) Intermediate Algebra
(b) Trigonometry
(c) Biology *or* Botany (Biology and Botany may not both be chosen)
(d) Chemistry
(e) Geography
(f) Physics
(g) British History *or* Canadian History
(h) Music *or* Art (Music and Art may not both be chosen)
(i) North American Literature (Quebec High School Leaving)

—
10 papers

3. ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.Com. DEGREE

For admission to the First year of the B.Com. course a candidate must have satisfied *either* the requirements for entrance to the B.A. *or* the requirements for entrance to the B.Sc. course.

4. ADMISSION TO THE COURSES LEADING TO THE B.Ed. DEGREE

For admission to the First year of the B.Ed. course a candidate must fulfil the requirements for admission to the first year of the B.A. or the B.Sc. course. Students applying for admission by means of the Quebec High School Leaving examinations may offer Agriculture, Household Science, or North American Literature as optional papers.

Candidates for admission are also required to meet the Admissions Committee of the School for Teachers before their applications are approved.

5. ADMISSION TO THE COURSES LEADING TO THE B.Ed.(P.E.) DEGREE

For admission to the First year of the B.Ed.(P.E.) course a candidate must fulfil the requirements for admission to the first year of the B.A. or the B.Sc. course. Students applying for admission by means of the Quebec High School Leaving examinations may offer Agriculture, Household Science, or North American Literature as optional papers.

FACULTY OF ENGINEERING

ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.Eng. AND B.Arch. DEGREES

The subjects and standing required for admission into the First year of the Faculty of Engineering are the same as those required for the first

year of the B.Sc. courses (see page 512). Students from the Province of Quebec who are applying for admission into First year must offer Trigonometry and Intermediate Algebra as Junior Matriculation subjects. Only in exceptional circumstances will this requirement be waived.

FACULTY OF AGRICULTURE

1. ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.Sc. (Agr.) DEGREE

In the University's own examination ten papers are required.

No. of Papers	Subject
2	English
1	General History
2	Latin *or* French *or* German *or* Spanish (French preferred)
2	Elementary Algebra Elementary Geometry
1	Physics *or* Chemistry *or* Biology
2	EITHER Latin *or* French *or* German *or* Spanish (if not already chosen); OR Any two of the following papers not already chosen: (a) Intermediate Algebra (b) Trigonometry (c) *Botany *or* *Biology (d) Chemistry (e) Physics (f) Art (g) Geography (h) British *or* Canadian History (i) Music (Household Science candidates only. Music and Art may not both be chosen.) (j) North American Literature (Quebec High School Leaving)
10 papers	

2. ADMISSION TO THE FIRST YEAR OF COURSES LEADING TO THE B.Sc. (H.Ec.) DEGREE

The requirements are those of the B.Sc. (Agr.) courses printed above, with the modifications noted.

*Botany and Biology may not both be chosen.

PRESCRIPTION OF WORK IN EACH SUBJECT

For the examinations in June and August 1962

In all papers marks will be deducted for errors in spelling and grammar.

ART

No examination paper.

Students applying for School Certificate standing in Art will present a portfolio of not more than twelve original works selected, with the aid and certification of the art teacher or the School Principal, to illustrate the applicant's achievements along any number of the following general lines:

1. Ability to record observation of objects or scenes, in terms of either quick sketch or protracted study, in monochrome or colour.
2. Competence in design or composition in any of the following forms: pictures, posters, illustrations, formal decorations.
3. Sensitivity to the intrinsic possibilities and limitations of whatever medium is employed, no value being attached to the number of media attempted.
4. Ability in imaginative conception and convincingness of its projection.
5. Powers of interpretation . . . sensitivity in expressing, rather than merely reproducing, a given subject or theme, whether imaginative or actual, objective or non-objective.

Portfolios must be in the Registrar's Office, Dawson Hall, McGill University, not later than Thursday, 17th May, 1962, and may be reclaimed approximately one month thereafter.

BIOLOGY

One examination paper.

All the subjects mentioned should be studied practically, both in the field and in the classroom. Vivaria and aquaria should be kept and plants should be grown in soil and water culture. Pupils should be encouraged to collect material and so add to the school museum. Typical preparations and demonstration dissections should be made. In small classes pupils might do some dissection personally. Simple experiments should be used wherever possible. The use of a hand lens is essential for every pupil and a microscope should be available.

I. *Plants: Algae:* one unicellular type, and either Spirogyra or Ulothrix. *Fungi:* Bacteria, Yeast, Bread mould, Wheat rust, a Mushroom. *Lichens:* general study only. *Bryophyta:* Marchantia or any one Moss. *Pteridophyta:* a Fern. *Gymnosperms:* a Conifer. *Angiosperms:* one herbaceous monocotyledon, one herbaceous dicotyledon, one dicotyledonous tree.

The following points should be considered in studying the above: adaptation to environment, structure, life-history, physiology, seasonal changes.

II. *Animals: Protozoa:* Amoeba, Paramoecium, Plasmodium. *Coelenterata:* Hydra. *Platyhelminthes:* Tape worm. *Annelida:* Earthworm. *Arthropoda:* Crayfish or Grasshopper. *Pisces:* Perch or any other fish. *Amphibia:* Frog. *Reptilia and Aves:* the external characters of any one reptile and any one bird. *Mammal:* Rabbit or Rat.

The following points should be considered in studying the above: adaptation to environment, structure, physiology (including locomotion, nutrition, circulation, respiration, secretion, excretion, nerve control, action of hormones, growth), reproduction, seasonal changes.

III. *General:* The general structure of a plant cell and of an animal cell as seen in Spirogyra and Amoeba. Euglena as illustrating both plant and animal characters. The properties of living matter. The differences between animals and plants.

Elementary outlines of the principles of heredity and variation among plants and animals.

Simple evidence of the theory of evolution.

IV. *Field Natural History:* Trees and animals of the neighbourhood. Relation of plants and animals to their physical environment and to one another in *one* type of community, such as woodland, pasture, cultivated land, swamp, or an aquatic community. The dominant plants and animals of this community.

V. A general study of the interrelations of plants and animals with man, and of the importance of plants and animals as sources of food, shelter, clothing, and commercial products, with special reference to the types studied in sections I and II.

Suggested topics:

Plants: Green plants as basic food supply. Plant geography and plant industries of North America in relation to climate. Organic decay and the carbon and nitrogen cycles. Control of pathogenic bacteria and fungi.

Animals: Protozoan and other parasites as causal agents of disease. Insects, useful and injurious, in relation to human health, farm stock, crops, and forests. The place of birds in nature. Food animals. Fur-bearing animals in relation to climate.

BOTANY

One examination paper.

All the subjects mentioned should be studied practically. Aquaria should be kept, plants grown in soil and water culture, and simple physiological experiments carried out. The use of a hand lens is essential for every pupil and a microscope should be available.

The items of the syllabus may be studied in any suitable order.

I. Organs and Cells

The general external characters and structure of a flowering plant considered in relation to its mode of life.

Structure of a plant cell; properties of protoplasm; types of cell.

II. Types and Classification

The general structure, life history, relation to environment, and broad classification of the following types:

Thallophyta: Algae—Oscillatoria, Protococcus, Spirogyra, Oedogonium, Fucus, or Laminaria.

Fungi—Bacteria, Yeast, Mould, Mushroom, other Fungi, including at least one parasitic form.

Lichens—general.

Bryophyta: A Liverwort, a Moss.

Pteridophyta: A Fern, Equisetum, Selaginella.

Spermatophyta: Gymnosperms—one Conifer type and general characters of other local species.

Angiosperms—a Monocotyledon; Dicotyledons—herbaceous and tree types. General structure of flower, fruit, and seed. Comparison with homologous structures of preceding types.

Leading characters of the groups listed above. Trends in the evolution of a many celled body and of sexual reproduction as illustrated by the algal types, and of alternation of generations and adaptation to land life as displayed by the higher forms.

General characteristics and common plants of the following families of flowering plants: Liliaceae, Gramineae, Orchidaceae, Ranunculaceae, Rosaceae, Leguminosae, Umbelliferae, Solanaceae, Labiatae, Compositae.

III. Physiology and Histology

Elements of the microscopic structure of a typical leaf, root, herbaceous stem, and woody stem studied in relation to the functions of the organ and its parts.

Essentials of nutrition (photosynthesis, mineral nutrition, storage of foods, special modes of feeding), respiration, water relations, growth, tropisms, and reproduction. The organism as a whole. Seasonal changes in perennial herbs and trees.

IV. Field Natural History

Common trees and some other plants of the neighbourhood. Elements of the ecology of at least one local area, such as wood, meadow, swamp, or seashore. Adaptation to environment. Modes of pollination and of distribution and germination of seeds.

V. Heredity

Elementary outline of the principles of heredity and variation as applied to plants.

VI. Relation to Man

Green plants as the basic food supply. Man's staple food plants. Nature and source of other important plant products, e.g., lumber, fibres, paper, rubber. Useful bacteria and fungi; organic decay, carbon and nitrogen cycle. Pathogenic bacteria and fungi and their control. Main types of vegetation found in North America, with emphasis on Canada; their relation to climate and to human activities.

CHEMISTRY

One examination paper.

The proficiency in Chemistry will be examined on evidence of an elementary knowledge of:

The properties of matter as required to establish the Molecular Theory of Gases, the Atomic Theory, The Theory of Atomic and Molecular Structure, the Theory of Ionization, and the Periodic Law.

The composition, physical properties, and chemical transformations of common materials such as the atmosphere, natural waters, acids, bases, salts, common minerals and ores, metals and alloys, and fuels.

The preparation and properties of the more common non-metallic elements: Hydrogen, Nitrogen, Oxygen, Carbon, Sulphur, and Chlorine together with their simple compounds of economic importance.

The preparation and properties of the more common metallic elements: Sodium, Calcium, Magnesium, Aluminium, Iron, together with their simple compounds of economic importance.

The nature of chemical reaction including: the factors affecting the rate, point of equilibrium, and completion of a chemical reaction; exothermic

and endothermic reactions; the principle of mass action; the nature of oxidation and reduction as illustrated by combustion and the recovery of metals.

The solution of simple problems involving: the calculation of percentage composition from molecular formula; the calculation of empirical formula from percentage composition; the Gas Laws including the calculation of gram molecular weight; and/or volume relationships in chemical reactions.

Suggested texts: Croal, Couke, and Louden, Chemistry for Secondary Schools (Copp Clark); Guest, Elementary Chemistry (Pitman).

ENGLISH

Two examination papers: one in Composition, and one in Literature.

COMPOSITION

No special readings are required for the Composition paper. It is intended to be a test of the student's ability to write clear and correct English and to give him an opportunity of demonstrating his powers of composition. Candidates will be asked to write on a wide choice of general subjects and the paper will include at least one question in which the student is addressing a particular audience. There may also be questions on errors of grammar, spelling, etc.

LITERATURE

For critical study:

1. Poets:

   1962 Coleridge, Wordsworth and Browning as in Cunliffe and Cameron *Poems of the Romantic Revival* (Copp-Clark).

   Arnold—*The Forsaken Merman, Shakespeare, Memorial Verses, Self Dependence, The Future, Philomela, To Marguerite* ("yes, in the sea of life enisled"), *Dover Beach, Obermann Once More, Rugby Chapel.*

   1963 Byron, Shelley, Keats, Tennyson, as in Cunliffe and Cameron *Poems of the Romantic Revival* (Copp-Clark).

2. Shakespeare:

   1962 *Romeo and Juliet* or *Macbeth*

   1963 *Julius Caesar* or *Hamlet*

   1964 *Henry IV Part I* or *The Tempest*

For general reading:

3. Novels:

1962 A novel of Charlotte Brontë or a novel of Robert Louis Stevenson
and
Conrad, *Lord Jim* or Wilder, *The Bridge of San Luis Rey*

1963 A novel of Scott or a novel of Hardy
and
Conrad, *Victory* or Maugham, *Of Human Bondage*

1964 A novel of Trollope or a novel of Hawthorne
and
W. H. Hudson, *Green Mansions* or Stephen Crane, *The Red Badge of Courage*

4. Drama:

1962 Shakespeare, *Twelfth Night* or a play of Goldsmith
1963 Shakespeare, *Henry V* or a play of Shaw
1964 Shakespeare, *As You Like It* or a play of Galsworthy

5. Essays:

At least *two* essays from any *five* of the following: Bacon, Addison, Steele, Goldsmith, Lamb, Hazlett, Hunt, Stevenson

Suggested Anthologies:
Peacock, *Selected English Essays* (Oxford)
Williams, *A Book of English Essays* (Pelican)

6. Twentieth Century Literature:

A novel *or* play *or* biography *or* selection of short stories, poems, plays, essays—written and published since the year 1900.

FRENCH—One written paper and one oral examination.

WRITTEN PAPER

This will consist of four parts, each carrying 25 marks.

A. *French Essay*

A short essay in French (100-150 words) on a topic of general interest selected by the candidate from a list printed on the examination paper.

B. *French Unseen*

Translation into French of a short English passage (approx. 100 words) which may be a narrative, a conversation, or a description.

C. *French Grammar*

Translation into French of approximately a dozen short English sentences, each illustrating a point of grammar.

D. *French Texts*

Four or five questions in French to be answered in French at some length on a text appointed for the year.

Text for 1962—*Ten Favourite French Stories* (Ed. J. S. Galland—Appleton-Century-Crofts, N.Y.)

Text for 1963—Maupassant, *Eight Short Stories* (Ed. White-Heath).

ORAL EXAMINATION

The examinations will be held at different centres on dates selected by the Matriculation Board between 1 May and 15th May. The Board cannot guarantee to provide oral examinations for candidates who do not register before the 1st of April.

The oral examination will consist of three tests.

A. *Oral Comprehension Test* (20%)

The examiner will read out twice to a group of candidates a French passage of not more than 120 words; then he will ask four or five questions in French on that passage. Candidates will be required to answer these questions *in writing* and *in English* on the spot.

B. *Pronunciation Test* (20%)

Each candidate will be required to read aloud a passage of not more than 200 words selected by the examiner from any of the books the candidate has read for the examination.

C. *Fluency Test* (60%)

A conversation between candidate and examiner in the course of which students will have to answer questions on the contents of *two* prepared texts selected from the following:

1. Dumas: *La Tulipe Noire* (Ed. Fontaine—Heath).
2. Hugo: *Les Misérables* (Super) (Heath)
3. Daudet: *Tartarin de Tarascon* (Hawkins) (Heath)
4. Labiche: *La poudre aux yeux* (Dale) (Heath)
5. Fite: Four contemporary one act plays (Heath)
6. Mérimée: *Colomba* (Robert Humphreys) (Heath)
7. Pagnol: *Topaze* (Heath)
8. Simenon: *Le client le plus obstiné du monde* (McIntosh)
9. Eve Curie: *Madame Curie* (Ernst and Schwartz) (Odyssey Press, N.Y.)
10. 1962 only. Fauchois: *Prenez garde à la peinture* (Heath)
    1963 Jules Romains: *Knock* (Ed. A. D. Menut and D. I. Chapman) (Appleton Century Crofts, N.Y.)

GEOGRAPHY

One examination paper.

Geography is taken to be primarily the study of the earth as the home of differentiated communities and cultures; this calls for a clear understanding of the ways in which men have shaped the habitable parts of the environment to their own ends and have themselves been influenced in the process. It also calls for an examination of the functional role of land forms, rivers, climates, vegetation, etc., in guiding human activities.

It is assumed that candidates will know how to handle topographic, climatic, and distributional maps, and that they will be able to draw simple sketch maps (e.g. of their home area). They may be asked to insert data on a base map of a given country or continent, and to describe and analyze the geographical features of ground and air photographs.

A. *General Geography* (one third of the course)

A study of the world in outline, with special reference to the following subjects:

Size, shape, and movements of the earth.
Latitude and longitude and time zones.
Distribution of land and water.
Tidal phenomena and ocean currents.
Land forms and the agencies modifying them.
Configuration and surface characteristics of the continents.
Factors determining climates: the broad distribution of winds, temperature, rainfall, vegetation, soils and animal life.
Major natural regions and their characteristic human economies.

B. *Regional Geography* (one third of the course)

Canada and the United States in considerable detail. Emphasis should be placed on the geographical factors influencing their settlement and subsequent economic development.

C. *Maps and Aerial Photographs* (one third of the course)

The elements of map-making, map-reading and air photo interpretation. Candidates are expected to show familiarity with the topographical maps produced by The Topographic Survey of the Department of Mines and Technical Surveys, Ottawa.

Suggested Texts and Atlases: At Home on Our Earth—The United States and the British Commonwealth, G. Whipple and P. E. James (Macmillan Co.); *The Geography of Canada*, J. L. Robinson (Longmans, Green & Co.); *Earth Science—The World We Live In*, S. N. Namowitz and D. B. Stone (Van Nostrand Co.); *Canadian Social Studies Atlas* (Dent & Sons); *Goode's School Atlas* (Rand McNally).

GERMAN

Two examination papers: one on prescribed texts, and one on grammar and translation of continuous passages from German into English and from English into German.

B.A.

Texts (Translation and grammatical study):
Peter Fabrizius, *Wer zuletzt lacht . . .* (Appleton-Century-Crofts, Inc., New York) and
Hagboldt: *Anekdoten und Erzählungen* (Heath: Chicago German Series No. 3)

Grammar: A thorough knowledge of German accidence and syntax.

Suggested text: Curts, *Basic German* 3rd edition (Prentice Hall N.Y.)

Translation at Sight from English into German and German into English of easy prose passages.

B.Sc.

Texts (Translation and grammatical study):
Fiedler and Sandbach, *A first German Course for Science Students* (Oxford University Press) and
Hagboldt: *Anekdoten und Erzählungen* (Heath, Chicago German Series No. 3).

Grammar: A knowledge of German accidence and syntax.

Suggested text: Curts, *Basic German*, 3rd edition (Prentice Hall, N.Y.)

Translation at Sight of sentences from English to German and of easy prose passages from German into English.

GREEK

Two examination papers: one based on Wilding and one on Colson. Each paper will contain translation into English, gramatical analysis, and translation into Greek based on the readings.

Text: L.A. Wilding, *Greek for Beginners* (Faber and Faber) (Cassel and Co., Ltd., Toronto 6); Abbot and Mansfield, *Primer of Greek Grammar* (Rivington's); Colson, *Greek Reader* (Macmillan), Part 2 complete, and Part 8 sections 11 to 13, pages 111-116.

HISTORY

One examination paper is offered in each of the three following fields:

(*a*) *General History from 1600-1939*

(*b*) *British History from 1714-1939*

(*c*) *The History of Canada with related topics in the History of the United States from the age of discovery until 1939.*

A Guide to Reading containing references and suggestions for teachers and students who are preparing for these History papers may be obtained from the Registrar's Office.

These lists are intended as a bibliographical aid for teachers who may concentrate on certain topics in which they are especially interested or which they think particularly desirable for their students.

The examination paper will give a wide choice of questions and will be so divided that a candidate may not pass by concentrating on one particular aspect of the work.

As the General History paper is primarily a test of knowledge of European History, questions dealing with such things as the Far East, Africa, England, will only be included if they impinge on European History.

The paper in Canadian History will give a wide choice of questions and will give the candidate an opportunity to relate his knowledge of Geography to that of History.

LATIN

Two examination papers: one on Latin Prose selections and Composition, and the other Latin Poetry selections, sight translation, and the textbook "Everyday Life in Rome".

Textbooks:

Bonney and Niddrie, *Latin Prose and Poetry* (Ginn)
Treble and King, *Everyday Life in Rome* (Oxford)

Gellius 2
Caesar 1,3
Nepos 1,2
Cicero 4 and Letter 8
Livy 1,2,4
Pliny 1,13
Phaedrus 1,4,9,10
Vergil Part 1: 1,2,3,12,13,14; Part 2: Georgics 3,4 and Aeneid 2
Catullus 1,5
Horace 1,2
Ovid 6,8

The Composition Examination will consist of the translation into Latin of detached sentences. These will require a knowledge of those constructions only that are covered in Bonney and Niddrie, *Latin Prose Composition.* However, it is not necessary for schools to use this publication as their textbook. The vocabulary will be taken largely from the selections set in "*Latin Prose and Poetry*".

Knowledge of grammar and syntax will be tested by questions on the selections read in "*Latin Prose and Poetry*", as well as by composition.

NOTE—The "Roman" method of pronouncing Latin is recommended.

MATHEMATICS

ELEMENTARY MATHEMATICS

HIGHER ARITHMETIC

One examination paper.

1. Addition, subtraction, multiplication, and division of integers. Factors, highest common factor, and least common multiple.

2. Properties of vulgar fractions including addition, subtraction, multiplication, and division. Complex fractions.

3. Properties of decimals including the conversion of vulgar fractions into decimals and vice versa. Extraction of square root. Contracted multiplication and division of decimals.

4. Simple properties of ratio and proportion. The unitary method.

5. Simple properties of percentages, e.g., changing a fraction to a per cent and vice versa, finding what per cent one number is of another.

6. Units of measurement and changing from one unit to another. A knowledge of the standard tables of weights and measures will be expected, e.g., length, area, volume, capacity (liquid and dry), apothecaries (fluid and weight), avoirdupois and troy weight, time, English and Canadian monetary systems. The metric system.

7. Simple mensuration of the rectangle, triangle, parallelogram, trapezoid, circle, cylinder, cone, and pyramid.

8. The construction and interpretation of simple graphic and other representative diagrams of concrete numbers.

Candidates will be expected to apply the preceding principles to the solution of simple problems such as the making of solutions and preparation of dosages, the relation between pressure and temperature of a gas, the comparison between Fahrenheit and Centigrade thermometer scales, etc.

Students should be taught to apply rough approximations, such as

$$\frac{3.1416 \times \sqrt{64.37}}{\sqrt[3]{126}} \simeq \frac{3 \times 8}{5} \simeq 5$$

to check the accuracy of their work, and they should also be shown how to use tables of squares, square roots, cubes, and cube roots of integers and decimals. A knowledge of circulating decimals will not be required.

High School Arithmetic by A. T. Batstone, E. T. Alexander, J. A. Chown, published by The Ryerson Press, Toronto, will be found useful.

ELEMENTARY ALGEBRA

One examination paper.

Elementary rules, involution, evolution, fractions, indices, surds, simple and quadratic equations involving one or more unknown quantities, simple graphs, ratio and proportion, as in High School Algebra by J. T. Crawford (Revised Edition, 1940) published by Macmillan and Co., pp. 1-320, or Intermediate Algebra for College Students by Thurman S. Peterson (Revised Edition), published by Harper and Brothers, New York, pp. 1-279, (omitting page 207 and pp. 261-267) or similar text-books.

ELEMENTARY GEOMETRY

One examination paper.

The paper will contain questions on practical and on theoretical geometry.

In practical geometry, where the validity of a construction is not obvious, the reasoning by which it is justified may be required. Every candidate must provide himself with a ruler graduated in inches and tenths of an inch, and in centimeters and millimeters, a set square, a protractor, compasses, and a hard pencil. All figures should be drawn accurately.

The questions on theoretical geometry will consist of theorems contained in the textbook prescribed, together with questions upon these theorems, easy deductions from them, and arithmetical illustrations. Any proof of a proposition will be accepted if it forms part of a systematic treatment of the subject.

In the proof of theorems and deductions from them, the use of hypothetical constructions will be permitted. Proofs which are only applicable to commensurable magnitudes will be accepted.

Textbook recommended:—Geometry for High Schools by W. J. Lougheed and J. G. Workman, published by the Macmillan Co. of Canada (1941), omitting pp. 223-224, 242, 308-314, 323-329, or the same subject matter in Plane Geometry (Revised Canadian Edition) by H. S. Hall and F. H. Stevens, published by the Macmillan Company of Canada, or similar text-books.

INTERMEDIATE MATHEMATICS

Four-figure mathematical tables will be provided.

INTERMEDIATE ALGEBRA

One examination paper.

Arithmetic, geometric, and harmonic progressions, variation, permutations and combinations, binomial theorem, logarithms, number system, theory of quadratic equations, as in Intermediate Algebra by H. Tate, published by Sir Isaac Pitman and Son, Toronto, or as in similar textbooks.

TRIGONOMETRY

One examination paper.

Measurement of angles, radian measure, trigonometrical ratios of functions of one angle, of two angles, and of a multiple angle, relations between the sides and angles of a triangle, easy problems on heights and distances, easy trigonometrical equations, as in Elementary Trigonometry by H. S. Hall and S. R. Knight, adapted for use in Canadian Schools (1940 edition), published by the Macmillan Company of Canada, Chaps. I to XI inclusive, omitting paragraph 113a, or as in similar textbooks.

MUSIC

The Grade 9 Certificate of McGill University in practical subjects and the Grade 9 Certificate in theoretical. (Details will be found in the Announcement of the Conservatorium of Music.)

PHYSICS

One examination paper.

The following are the main topics required in Mechanics, Heat, Electricity, and Magnetism.

Mechanics

Measurements of length, area, volume, mass, and weight. The beam and spring balances.

Uniform and uniformly accelerated motion in a straight line; Newton's laws of motion and simple applications of them. Motion under gravity; the law of gravitation. Moments of forces; composition of parallel forces, equilibrium of forces (parallelogram and triangle laws); centre of gravity, Work, energy, power. Sliding friction. Mechanical advantage of a machine; levers, pulleys, wheel and axle, differential pulley and differential wheel and axle, inclined plane, wedge, screw; efficiency of a machine. Density and specific gravity. Fluid pressure, Pascal's law; hydraulic press. Relation between pressure and depth. Buoyancy; Archimedes Principle; floating bodies. Measurement of specific gravity of solids and liquids; specific gravity bottle, hydrometer.

Weight and pressure of air; barometers, determination of altitude, weather forecasting, Boyle's Law. Air pumps and compressors. Pressure gauge. Suction and force pumps, siphon.

Surface tension and capillarity (qualitative treatment).

Heat

Elementary ideas of the structure of matter and kinetic theory of gases. Sources of heat. Temperature; construction of a liquid in glass thermometer, fixed points, graduation; Centigrade and Fahrenheit scales. Expansion of solids, coefficient of linear expansion; expansion of liquids, anomalous expansion of water. Expansion of gases, Charles' Law, absolute temperature; the gas equation.

Heat quantity and its measurement in calories and B.T.U., specific heat, capacity for heat; calorimetry by method of mixtures. Change of state; fusion and solidification; effect of pressure on melting point; heat of fusion; freezing mixtures; vaporization, rate of evaporation, saturated vapour, boiling, effect of pressure change (including altitude); heat of vaporization of water; cooling by evaporation. Condensation of water in the air; dew point; relative humidity, wet and dry bulb hygrometer, humidity and health; atmospheric phenomena—fog, clouds, dew, frost, rain, snow, hail.

Mechanical equivalent of heat; steam engine.

Conduction of heat, solids, liquids, and gases; convection currents in fluids, winds; radiant heat, emission and absorption; heating of buildings, ventilation; refrigeration.

Magnetism

Natural and manufactured magnets; polarity, attraction and repulsion. Magnetic induction, magnetic field. Molecular theory of magnetism. The earth as a magnet; compass, declination, dip.

Static Electricity

Electrification by friction, attraction and repulsion, two kinds of electrification; conductors and insulators; electrons; gold leaf electroscope. Electrification by contact and by induction; testing charge on a body; induced charge equal to inducing charge; charges by friction equal and opposite; charges reside on outside of empty hollow conductor. Action of points, lightning rods. Potential, capacity, condensers, Leyden jars.

Current Electricity

Magnetization of steel by discharge of Leyden jars.

Voltaic cell, electric circuit, series and parallel arrangements. The magnetic, chemical, and thermal effects of a current; Oersted's experiment, magnetic field due to a straight wire, circular wire, and helix; polarity. Action of one current on another, Ampère's Laws, tangent and

moving coil galvanometers. Electromagnet. Electric bell and telegraph. Electrolysis of water, laws of electrolysis, coulomb, measurement of current; electroplating. Voltaic cell, chemical action, electromotive force, polarization, local action. Leclanché and dry cells. Storage cells, lead accumulator. Heat developed by current; electric iron, fuses, incandescent lamp and arc light. Ohm's Law; practical units, ampere, volt, ohm; fall of potential in circuit, method of substitution for measuring resistance.

Law of dependence of resistance on length and cross-section of cylinder. Work done in a circuit, rate of working in circuit and in lamp. Ammeters and voltmeters.

Electromagnetic induction; Faraday's experiments. Induction coil. Dynamo, armature, field magnets, commutator for D.C. electric motor, transformer, telephone.

RUSSIAN

Two examination papers

One paper will consist of questions in Russian on the prescribed text. (To be answered in Russian.)

The second paper will include sentences for translation from English into Russian, each illustrating a point of elementary grammar, also Russian passages for translation into English.

Text: Znamensky, *Conversational Russian* (Ginn).

SPANISH

Two examination papers.

One paper will contain questions on grammar, and sentences to be translated from English into Spanish.

The second paper will contain questions on the set text, including translation and comments on the grammar and contents. It will also contain the translation into English of an unseen Spanish passage, and the translation into Spanish of an unseen English passage.

Text prescribed—Crow and Crow, *Panorama de las Américas* (Holt).

EXAMINATIONS RECOGNIZED FOR ADMISSION TO THE UNIVERSITY

All Canadian and U.S. students who apply for admission at Junior or Senior Matriculation level in 1962 and subsequent years must take the tests offered by the College Entrance Examination Board. (*See footnote on p. 511.*) These consist of the Scholastic Aptitude Test (in two parts —Verbal and Mathematical) and three Achievement Tests selected by the student in consultation with his school principal. The English Composition test is compulsory; the other two tests may be chosen from any of the following: Intermediate Mathematics *or* Advanced Mathematics; Physics; Chemistry; Biology; French; Latin; German; Spanish; and, for United States applicants only, Social Studies.

These tests must be written not later than in March of each year. The tests may be written on one testing date, but it is recommended that applicants write the Scholastic Aptitude Test in December or January, and the three Achievement tests in January or March. The cost to the student for writing the full set of tests is $13.00. Students from the eastern parts of Canada and the United States may obtain information about tests, and test centres, etc. by writing to the College Entrance Examination Board, Box 592, Princeton, New Jersey; students from the west should write to: College Entrance Examination Board, Box 27896, Los Angeles 27, California.

Provided the Candidate has written the College Entrance Examination Board tests specified above, McGill University recognizes a number of public examinations as conferring, in certain circumstances, the equivalent of Junior or Senior Matriculation standing for admission to the Faculty of Arts and Science, or the Faculty of Engineering, or other faculties and schools.

Admission to the various faculties is based upon standards set from time to time by each faculty. The Admissions Committees require generally that:

(1) The certificate has been obtained under no easier conditions than those of McGill Matriculation,

(2) The subjects of the examination and the school course followed are those the University requires,

(3) The school records and confidential reports are satisfactory.

Candidates who wish to enter by certificate should in no circumstances come to the University without having obtained an official acceptance of their application.

The following certificates will be considered *on their merits* towards meeting the University requirements for the equivalent of Junior Matriculation. *It should be particularly noted that possession of a certificate which is listed does not guarantee acceptance.*

Candidates for admission offering certificates which are not a full equivalent may be required to pass one or more McGill papers.

PROVINCE OF QUEBEC

The High School Leaving Certificate
The Catholic High School Leaving Certificate

PROVINCE OF ONTARIO

Ontario Secondary School Graduation Diploma with four options

PROVINCE OF NEW BRUNSWICK

Junior Matriculation

PROVINCE OF NOVA SCOTIA

Grade XI Certificate

PROVINCE OF PRINCE EDWARD ISLAND

Second Year Certificate of Prince of Wales College

PROVINCE OF BRITISH COLUMBIA

Junior Matriculation

PROVINCE OF MANITOBA

Grade XI Certificate

PROVINCES OF ALBERTA AND SASKATCHEWAN

Grade XI

NEWFOUNDLAND

Grade XI Certificate

GREAT BRITAIN

In the General Certificate of Education, passes at the ordinary level in five suitable subjects (other than Religious Knowledge) will be the normal standard for admission. The various faculties specify which subjects must have been passed and intending applicants should confirm that the subjects they offer are suitable.

UNITED STATES

1. McGill University recognizes the examinations conducted by the College Entrance Examination Board, P.O. Box 592, Princeton, New Jersey. All candidates from the United States must write these tests.

2. Applicants for admission should preferably write the January or the March tests, taking the Scholastic Aptitude Test and three Achievement Tests. The Achievement Tests should be chosen in consultation with the applicant's school Principal. Further particulars are obtainable from the Registrar's Office.

3. In addition, applicants must submit their complete High School record and should arrange for a confidential letter from the school Principal or other competent officer to be mailed directly to the University.

MISCELLANEOUS

Other certificates, such as those issued by universities or recognized public Examining Boards, will be judged on their merits and accepted insofar as they meet the entrance requirements

Senior School Certificate

REQUIREMENTS FOR THE CERTIFICATE

To obtain the Senior School Certificate the candidate must pass in English Literature and English Composition and in at least three of the following subjects:

Accountancy	Greek
Art	History
Biology	Latin
Chemistry	Mathematics
French	Music
Geography	Spanish
German	Physics

To satisfy the examiners in a language the candidate must pass in each of the two papers in this language.

To satisfy the examiners in Mathematics the candidate must write and pass at least two of the three papers offered in this subject.

PASS MARK

The pass mark in each paper is fifty per cent.

CLASSES OF CERTIFICATE

Successful candidates are awarded a Senior School Certificate of the first, second, or third class.

To obtain a first or second class certificate a candidate must complete the examination in not more than two attempts within a period of sixteen months and may write a part of the examination at each attempt. The marks obtained in his first attempt will always be counted towards a third class certificate, but will not be counted towards a first or second class certificate if the candidate fails in more than one paper. To obtain a first or second class certificate such a student must rewrite the whole examination, and the certificate will be awarded solely on the marks obtained at the second attempt.

An average of 80% or over in all the papers required for the certificate entitles the candidate who has complied with the previous regulation to a first class certificate.

An average of 70% or over obtained under the same conditions, entitles a candidate to a second class certificate. Other successful candidates receive a third class certificate.

DISTINCTION

Candidates who obtain 80% or over in any subject are given distinction in this subject. Distinction is not given in *single* papers of Mathematics or the languages (including English).

UNIVERSITY ENTRANCE REQUIREMENTS (SENIOR MATRICULATION)

Under certain conditions, a candidate may qualify for admission into the Second year of the Faculty of Arts and Science or the Faculty of Engineering by writing and passing the required papers of the Senior School Certificate Examination. These examinations are required in addition to the tests of the College Entrance Examination Board (see page 511).

FACULTY OF ARTS AND SCIENCE

A candidate may be considered for admission to the Second year of the Faculty of Arts and Science if, in addition to taking the College Entrance Examination Board tests, he has passed in the appropriate ten papers of the McGill Junior School Certificate Examination, or their recognized equivalents, and if he has passed within a period of sixteen months in the papers of the McGill Senior School Certificate Examination, or their recognized equivalents, with an average of at least 70% on the examination as a whole. Special consideration may, however, be given to candidates who have received an average of 65 to 70% if they have obtained high standing in all such subjects as they have taken in the examination which are appropriate to the degree course which they wish to enter. These are: *in Arts*—English, Languages, History; *in Science*—Mathematics, Physics, Chemistry, Biological Science; *in Commerce*—English, History, Mathematics.

Only in exceptional circumstances may a student who has not qualified for entrance to the first year through Junior Matriculation be admitted to the Second year by Senior Matriculation alone.

ADMISSION TO THE SECOND YEAR OF COURSES LEADING TO THE B.A. DEGREE

English
Latin or Greek
Mathematics (*see footnotes on page 535*)

Any two of the following:—

1. History
2. Latin *or* Greek (the one not already chosen)
3. French
4. German
5. Spanish
6. Science (Physics *or* Chemistry *or* Biology)
7. Music
8. Geography

ADMISSION TO THE SECOND YEAR OF COURSES LEADING TO THE B.Sc. DEGREE

English
Mathematics [1]

[1] Two papers: one in Algebra and one in Trigonometry. Candidates who have passed in School Certificate Trigonometry may write Co-ordinate Geometry instead of Senior Trigonometry. The paper in Co-ordinate Geometry, written in addition to the other two, if necessary, is strongly recommended for candidates who intend to study for Honours in Mathematics, Physics, or Chemistry.

[2] Candidates who seek admission to the Second year of the B.A. course and who have *both* (a) passed in the Elementary Algebra and Elementary Geometry of the Junior School Certificate (or its equivalent) and (b) achieved at least 75% in the Junior School Certificate examination (or its equivalent) in History, a Classical Language or a Modern Foreign Language, may substitute another subject for Mathematics in the Senior Matriculation curriculum.

For purposes of this substitution, a candidate who has satisfied the requirement of the Junior School Certificate (or its equivalent) in French, may offer the Junior Certificate papers in Greek or Latin (whichever was not taken in Junior Certificate) or in German or in Spanish or in Russian.

If either Chemistry or Physics is chosen for Senior Matriculation, a candidate must also offer Mathematics, and he is strongly advised to do so if, in the University, he proposes to study Economics or Sociology or Geography.

Candidates who wish to enter the Faculty of Medicine at the end of the B.A. course must take Mathematics.

Physics

Chemistry

French *or* German* *or* Spanish *or* Latin *or* Greek *or* History *or* Biology *or* Geography

ADMISSION TO THE SECOND YEAR OF COURSES LEADING TO THE B.Com. DEGREE

English

Mathematics**

Accountancy***

A modern foreign language

History *or* a second foreign language *or* a Science (including Geography)

FACULTY OF ENGINEERING

ADMISSION TO THE SECOND YEAR OF COURSES LEADING TO THE B.Eng. AND B.Arch. DEGREES

English

Mathematics (all three papers are required)

Physics

Chemistry

French *or* German* *or* Spanish *or* Latin *or* Greek *or* History *or* Biology *or* Geography.

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*A candidate who has passed the two papers in Junior French may satisfy the Senior B.Sc. or B.Eng. German requirements by passing the Junior examination in German.

**Algebra and Trigonometry. However, a candidate who has passed in School Certificate Trigonometry may write Co-ordinate Geometry instead of Senior Trigonometry.

***Applications of students who have substituted another subject for Accountancy may be considered if their standing is high enough.

PRESCRIPTION OF WORK IN EACH SUBJECT

For the examinations in June and August 1962

In all papers marks will be deducted for errors in spelling and grammar.

ACCOUNTANCY

One examination paper.

Double-entry Book-keeping, including all subsidiary books and ledgers, up to and including the use of Control, Total, or Balancing Accounts; closing off of ledgers; preparation of Trading and Profit and Loss Statements and Balance Sheets.

Books specially required:

Cash-Book suitable for an office where all cash and cheques received are banked daily, all payments above a certain amount are made by cheque, and all lesser payments through petty cash. Cashier to be able to show the balance in the bank at any time at very short notice.

Cash-Book suitable for an office where sums of cash are kept in the office, in addition to petty cash, and deposits in bank do not include whole of receipts. Cashier to be able to show balances of cash, etc., in office and in bank at any time, and at very short notice.

Departmental Sales and Purchases Journals for recording transactions in different classes of goods.

General Journal ruled so as to segregate items according to ledgers into which they are to be posted, in order that totals may be posted to control accounts.

Other matters specially required:

Bills and Notes Payable Registers.
Imprest System of Petty Cash.
Reserve for Bad Debts, Discounts, and Depreciation.
Inward and Outward Consignments.
Inward and Outward Freight on Merchandise purchased and sold.
Accrued Expenses and Deferred Charges.
Single Entry Book-keeping.
Use of Working Sheets.

Candidates may be required to define and explain such terms as the following:

Invoices; I.O.U.'s; promissory notes; bills of exchange and parties thereto; acceptances, endorsements, etc.; cheques; bills drawn in a set, bills of lading; capital and revenue receipts and expenditure; current and fixed assets; capitalization.

Marking is arranged so as to prevent any candidate obtaining a pass unless he has shown that he has a sound knowledge of what is outlined in the first paragraph. No candidate is passed who does not show that he understands Control Accounts and their uses. For this purpose subsidiary ledgers and their control accounts in the General Ledger must be shown in full; in addition, the books of original entry must be so ruled and organized that they will produce the required figures no matter how large may be the quantity of items dealt with.

ART

No examination paper.

Students applying for Senior School Certificate standing in Art must present a portfolio of original work. The portfolio must be accompanied by a statement signed by the student and another signed by the art teacher or the school principal, certifying that the work contained in the portfolio is original work of the student not corrected by any other hand.

The portfolio should be sent to the Registrar's Office before May 15th and should contain:

A. Ten studies from life, of which at least five must be of the nude human figure. The remainder may be of the nude model, of the draped human model, or of animals. At least five of the above studies must be in charcoal, the remainder in any graphic or painting medium.

Candidates should bear in mind that what is required is not so much proficiency of performance as evidence of understanding of form and structure.

B. Five sketches for compositions, either in black and white or in colour. They may be with or without a representational subject; in either case they should stress the elements of design.

C. Five other examples of their work: these may include drawings, paintings (of any subject in any medium); applied designs (posters, textile designs, etc.).

The dimensions of the work listed above must be not less than 16 x 20 inches. Candidates would do well to add to their portfolios a sketch book or a group of quick sketches.

BIOLOGY

One examination paper.

The botanical part of this syllabus is the same as for Junior School Certificate Botany (p. 517) with the following modifications:—

(a) further knowledge of the ecological interrelation of plants and animals is required.

(b) knowledge of the characteristics of particular families of flowering plants is *not* required.

In order to fulfil the requirements of the syllabus satisfactorily, pupils must undertake individually the dissection of animals, section-cutting of plant tissues, microscopic examination of small organisms and tissues, and simple physiological experiments.

A more intensive study of the Junior School Certificate syllabus is expected, with extension along the following lines:

I. The structure, life-history, principles of classification, and evolutionary relationships of the following, based on practical study:

Plants:

Thallophyta:	Algae—Oscillatoria, Protococcus, Spirogyra, Oedogonium, Fucus or Laminaria,
	Fungi—Bacteria, Yeast, Mould, Mushroom, other Fungi including at least one parasitic form.
	Lichens—general.
Bryophyta:	A Liverwort, a Moss.
Pteridophyta:	A Fern, Equisetum, Selaginella.
Spermatophyta:	Gymnosperms—one Conifer type and general characters of other local species.
	Angiosperms —a Monocotyledon; Dicotyledons— herbaceous and tree types. General structure of flower, fruit, and seed. Comparison with homologous structures of preceding types.

Leading characters of the groups listed above. Trends in the evolution of a many celled body and of sexual reproduction as illustrated by the algal types, and of alternation of generations and adaptation to land life as displayed by the higher forms.

Animals:

Protozoa—Amoeba, Euglena, Paramoecium, Plasmodium.
Cœlenterata—Hydra, Obelia.
Platyhelminthes—Fasciola, Taenia.
Annelida—Lumbricus, external characters of a Polychaete.
Arthropoda—Crayfish, Grasshopper.
Mollusca—Clam or Snail.
Cephalochorda—Amphioxus.
Pisces—Dogfish.

Amphibia—Frog.

Mammalia—Rabbit or Rat, skull of Dog or Cat.

Comparison of the various organ-systems in the animals listed.

Asexual and sexual reproduction. Alternation of generations.

Elements of vertebrate embryology as found in the developing Frog and in the Chick (up to end of third day of incubation), to be studied practically.

II. Physiology: structure in relation to function.

Plants—Microscopic structure of a typical leaf, root, herbaceous stem, and woody stem studied in relation to the functions of the organ and its parts.

A fuller knowledge of the principal physiological processes as outlined in the Junior Syllabus. This should be based on simple experiments carried out by the student, which he may be asked to describe.

Animals—The chief physiological processes, as outlined in the Junior Syllabus, should be studied more fully and comparatively in all the types listed in Section I.

Tissues and organs and their functions as observed in Vertebrates.

Respiratory pigments. Vitamines, Hormones. Commensalism Parasitism.

III. Field Natural History and Ecology.

This should be extended beyond the Junior Syllabus to include study of several biotic communities of the neighbourhood, with some knowledge of the dominant plants and animals in each and their relation to one another and to the physical environment.

Life zones and living natural resources of Canada.

IV. Heredity and Evolution.

The main principles of heredity and variation among plants and animals.

Cytological basis of heredity.

Evidences of organic evolution.

CHEMISTRY

One examination paper.

The examination will be designed to test the candidate's knowledge of Theoretical and Descriptive Inorganic Chemistry as outlined below.

Theoretical—The properties of gases, liquids, solids, and solutions as required to establish the Kinetic Molecular Theory. The Laws of

Chemical Combination leading to the formulation of the Atomic Theory and the calculation of equivalent, atomic, and molecular weights. The detailed structure of atoms and molecules including a description of the various types of chemical bonds. The factors affecting the rate of chemical reaction and the point of equilibrium in a physical and chemical change. The properties of solutions of electrolytes leading up to the Theory of Ionization and ionic equilibria. Oxidation and reduction reactions as required to establish the Activity Series.

Descriptive Inorganic—A systematic treatment of the occurrence, preparation, physical and chemical properties of: (a) the following Groups in the Periodic Classification of the Elements: Alkali Metal, Alkaline Earth Metal, Carbon, Oxygen, Nitrogen, and Halogen. (b) the following additional metals: Aluminium, Copper, Silver, and Iron.

Particular emphasis is to be placed on a correlation of properties with atomic and molecular structure.

This is to be accompanied by descriptive and quantitative experiments including volumetric analyses, illustrative of the important principles and theories.

The candidates's notebook showing *his own* laboratory work (together with any problems or exercises related to the laboratory work), certified by the Instructor and the Principal of the School, must be forwarded to the Registrars' Office for the examiner's evaluation *before the date of the written examination.*

Suggested texts: Scarlet and Gomez-Ibanez, *General College Chemistry* (Holt); Graham and Cragg, *The Essentials of Chemistry* (Clarke, Irwin); Holcomb and Onyszchuk, *A Laboratory Manual of General Chemistry* (McGill).

ENGLISH

Two examination papers: one on English Literature and one on English Composition.

COMPOSITION

The examination will be designed mainly to test the candidate's ability to write English. He will be expected to have acquired a fairly clear and accurate style, to be able to arrange material in an effective fashion, and to show discrimination in the choice of words. He may be asked to write a précis to demonstrate his ability to extract the essential meaning of a given passage. In preparation for the examination it is suggested that students be required to write mainly on simple, expository subjects that are within the range of their actual experience.

LITERATURE

1. Shakespeare—1962 Either *Othello* or *The Tempest.*
   1963 Either *Antony and Cleopatra* or *The Winter's Tale.*
   1964 Either *King Lear* or *Cymbeline.*
   No particular edition of the above is prescribed.

2. Milton—1962 *Paradise Lost, Books I and II,* and *Book III lines 1-55.*
   1963 *Samson Agonistes.*
   1964 *L'Allegro, Il Penseroso, Comus, Lycidas, the sonnets included in Century Readings.**

3. One Poet of the Nineteenth Century—
   1962 Byron.
   1963 Keats.
   1964 Wordsworth.
   No particular edition of the above is prescribed.

   Candidates are not required to study the complete works of these authors. Teachers are recommended to make their own selection so as to give their students an understanding of the relevant poet's best and most characteristic work.

4. The following texts from *Century Readings*:*

   (a) Poetry:

   Chaucer, *Prologue to the Canterbury Tales.*
   All the Ballads included in the volume.
   Spenser, *The Faerie Queene, Book I, Canto 1.*
   All the lyrics by Campion, Herrick, Herbert, and Vaughan included in the volume.
   Dryden, *Alexander's Feast* and *Absalom and Achitophel.*
   Pope, *The Rape of the Lock.*
   All the poems by Gray and Goldsmith included in the volume.
   Wordsworth, *The Solitary Reaper, Ode to Duty, Character of the Happy Warrior, Ode, Tintern Abbey,* several sonnets.
   Burns, *Tam O'Shanter, The Cottar's Saturday Night.*
   Coleridge, *Kubla Khan, The Rime of the Ancient Mariner.*
   Shelley, *Ode to the West Wind.*
   Byron, *Don Juan, Canto iii.*
   Keats, *Eve of St. Agnes, Ode on a Grecian Urn, To Autumn, La Belle Dame Sans Merci.*
   Tennyson, *Locksley Hall,* selections from *In Memoriam* and *Morte d'Arthur.*

**Century Readings in English Literature,* edited by Cunliffe, Pyre, and Young.

Browning, *Abt Vogler, My Last Duchess, Andrea del Sarto, Memorabilia, De Gustibus*
Arnold, *Rugby Chapel.*

(b) Prose:

Malory, *Morte d'Arthur: Preface by Caxton, and first five chapters of Book 21.*
Bacon, *Of Truth,* and *Of Studies.*
Walton, *Compleat Angler, Chapter IV.*
Bunyan, *Pilgrim's Progress,* the extract included in the volume.
Defoe, *The Education of Women.*
Swift, *A Modest Proposal.*
Steele, *Sir Roger in Love.*
Addison, *Sir Roger at the Assizes, Party Patches,* and *Westminster Abbey.*
Johnson, *Letter to the Earl of Chesterfield.*
Newman, *The Idea of a University, Discourse VI.*

5. Poems by any or all of the following, selected at the discretion of the candidate from any available editions:

Housman, Davies, Hardy, Yeats, Auden, Spender, Eliot.

6. Any five items selected from the *Pocket Book of Short Stories.*

7. E. M. Forster, *A Passage to India.*

8. J. M. Synge, *Riders to the Sea.*

FRENCH

Two examination papers: one on Texts and Grammar and one on Composition and Sight Translation.

Texts:

For critical study:

1962—Merimée, *Carmen et Autres Nouvelles* (Ed. Blondheim) (Heath); de Musset, *Trois Comédies* (McKenzie) (Heath); Gabrielle Roy, *La petite poule d'eau* (Ed. R. W. Torrens) (Clarke, Irwin & Co.); Bart, *La France carrefour des civilisations* (Harcourt Brace).

1963—Mérimée, *Carmen et Autres Nouvelles* (Ed. Blondheim) (Heath); Gabrielle Roy, *La petite poule d'eau* (Ed. R. W. Torrens) (Clarke, Irwin & Co.); Selections from: C. Carlut and G. Brée, *France de nos jours* (The Macmillan Company, New York). A mimeographed list of the selected pieces will be available in the Registrar's office in September, 1961.

Suggested Grammar:

Sonet and Shortliff, *Review of Standard French* (Harcourt Brace).

Translation at Sight from English into French and from French into English.

**Oral Examination:* An oral examination is held in centres where this is possible, and students intending to study French at the University are strongly advised to take this examination. The oral examination is given in *addition* to the two papers. Success in the oral examination is recorded on the candidate's certificate. A candidate who fails in the oral examination does not thereby prejudice his chances of obtaining a certificate, but is treated exactly as though he had not attempted the oral test.

GEOGRAPHY

It is presumed that candidates taking this examination will have mastered the elements of geography as outlined in the syllabus for the Junior Examination.

A. Local Geography (one quarter of the course)

An intensive study of the candidate's home locality, especially of the distribution of population and economic activities in relation to the main physical features and climate of the region. This study should be based on actual excursions and a detailed examination of the appropriate large scale maps (published by the Hydrographic and Map Service Branch of the Department of Mines and Resources).

B. Regional Geography (three quarters of the course)

A detailed study of the Americas (North, Central, and South) and Europe, including the U.S.S.R. The general lines of the course should follow the directive laid down in the Junior Examination syllabus, but greater attention should be given to the following matters:

(i) The geological structure of the countries concerned, and the effect of this structure on the scenery and natural resources.

(ii) The part played by the countries of Europe in the history of exploration and the development of maritime trade.

(iii) The characteristic settlement types and distribution of population in the various countries, and the ways in which these are changing.

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*Candidates who wish to take the examination in Oral French at a centre outside Montreal must send in the special early notification mentioned in the footnote on page 506.

GERMAN

(*See footnote on page 536 concerning the Senior B.Sc. or B.Eng. German requirements in special cases.*)

Two examination papers: one on prescribed texts and one on translation of unseen passages from German into English and from English into German.

Texts—E. Kästner, *Als ich ein kleiner Junge war* (Holt, Rinehart, Winston, N.Y.), G. Keller, *Kleider machen Leute* (Heath), K. Viebig, *Der Gefangene* (Crofts).

Translation at Sight from German into English and from English into German.

GREEK

Two examination papers: one on prescribed texts and grammar, the other on composition and sight translation.

Texts: Homer, Iliad XXII (Pitt Press Series, Camb. Univ. Press); Lysias, pp. 30-92, in Shuckburgh's Lysias, Orationes (Macmillan).

N.B.—Although the above editions are suggested, others may be used.

HISTORY

One examination paper.

General History of Europe from the break-up of the Roman Empire to 1600.

In preparing for the History papers a rigid adherence to any one author or to any one book is undesirable. A guide to Reading containing references and suggestions for teachers and students who are preparing for this History paper may be obtained from the Registrar's Office.

LATIN

Two examination papers: one on prescribed texts and grammar, the other on composition and sight translation.

Text: A. Petrie, *A Latin Reader* (Oxford University Press)

Caesar X.
Cicero XIII, XV, XXXVI, XL, XLIII, XLIV.
Sallust XLVI.
Livy L, LI.
Pliny LXVI, LXIX.
Catullus LXXIII, LXXIV.
Virgil LXXXVII, XC, XCII, CI.
Horace CIX, CX, CXI, CXIV.
Ovid CXXIV, CXXV, CXXXI, CXXXVII.

MATHEMATICS

Four figure mathematical tables will be provided.

ALGEBRA

One examination paper.

Arithmetic, geometric, and harmonic progressions, variation, permutations and combinations, binomial theorem, logarithms, number system, theory of quadratic equations, functional notation, graphical representation, miscellaneous series such as the sum of the squares and of the cubes of the natural numbers with easy deductions therefrom, as in Intermediate Algebra by H. Tate, published by Sir Isaac Pitman and Sons, Toronto, or as in similar textbooks.

CO-ORDINATE GEOMETRY

One examination paper.

The elements of the coordinate geometry of the straight line and circle as in A New Analytic Geometry by J. E. Durrant and H. R. Kingston, published by the Macmillan Co. of Canada, pp. 1-153 inclusive, and pp. 292-296, or as in similar textbooks.

TRIGONOMETRY

One examination paper.

Measurement of angles, radian measure, trigonometrical ratios or functions of one angle, of two angles, and of a multiple angle, relations between the sides and angles of a triangle, solution of triangles using logarithms, easy problems on heights and distances, general values and inverse functions, limits and approximations, as in Elementary Trigonometry by H. S. Hall and S. R. Knight, adapted for use in Canadian Schools, 1940 edition, published by the Macmillan Co. of Canada, Chapters I-XIII, XVII, XVIII and pp. 204-205, or as in similar textbooks.

MUSIC

Two written examination papers: one on Advanced Rudiments and Harmony, and one on Form and Analysis and History. In addition there will be a short practical examination on Aural Training.

(a) HARMONY

Scales; intervals; transposition of melodies; use of C clefs; barring of certain passages and determining their keys; analysis of chords; chords up to the Dominant 7th and Augmented 6th. This course leads gradually to the writing of simple harmony in 3 or 4 parts. The work covered is

that required for the Grade 10 Theoretical Examination of the Local Centre Examinations. (See the Announcement of the Faculty of Music.)

Textbooks: MacPherson, Rudiments of Music; Kitson, Elementary Harmony—Part I.

(b) FORM AND ANALYSIS

Phrase, sentence, sequence, cadence, accent, rhythm, time, melody, modulation. Early Dance Forms. Suites—with special consideration of the Minuet and Trio.

Textbooks: MacPherson, Form in Music; MacPherson, Studies in Phrasing and Form; R. O. Morris, Structure of Music.

(c) HISTORY

Musical origins, Hebrew and Greek influence on early Christian music; the rise of music in two or more parts; secular music; English, Flemish, and Italian composers; the Renaissance; instrumental music (lute, virginal, viol, etc.); opera; beginnings of the orchestra. Bach and Handel; C. P. E. Bach and sonata form; Haydn; Mozart. The Romantic Move ment; nationalism in music; modern music.

Textbook: Stanford and Forsyth, A History of Music; Hadow, Music.

(d) AURAL TRAINING

Development of a mental appreciation of scale degrees; recognition of intervals and simple rhythms; easy dictation; sight reading; listening —to develop quickness of ear, memory, and natural accuracy; quality of tone.

PHYSICS

One examination paper: It will be set upon a general knowledge of the more important principles of elementary physics, the scope being that of Mendenhall, Eve, Keys, and Sutton, *College Physics* (Heath), or of any equivalent text books.

Laboratory Work: Experiments should be performed equivalent to those outlined in *An Elementary College Course in Experimental Physics* (Renouf). The student's notebook setting forth his own laboratory work, certified by the instructor and by the principal of the school, must be forwarded *before the examination* to the Registrar's Office for inspection.

RUSSIAN

It is possible that Russian will be included in the Senior School Examination in 1962. Anyone interested in this subject should enquire at the Registrar's Office for the syllabus.

SPANISH

Two examination papers: These will be set as for the Junior School Certificate, but the examination will be of a more advanced character, and will include a short free composition.

Prescribed texts: Baroja, *Zalacain el aventurero* (Heath), Pérez Galdós, *Gloria* (Appleton-Century-Crofts).

CERTIFICATES RECOGNIZED

The following certificates will be considered *on their merits* towards meeting the University requirements for the equivalent of Senior Matriculation.

It should be particularly noted that possession of a certificate which is listed does not guarantee acceptance.

PROVINCE OF QUEBEC

Senior High School Leaving Certificate
Senior Catholic High School Leaving Certificate

PROVINCE OF ONTARIO

Grade XIII Certificate

PROVINCE OF NOVA SCOTIA

Grade XII Certificate

PROVINCE OF PRINCE EDWARD ISLAND

Third Year Certificate of Prince of Wales College

PROVINCE OF MANITOBA

Grade XII Certificate

PROVINCES OF ALBERTA AND SASKATCHEWAN

Grade XII Certificate

PROVINCE OF BRITISH COLUMBIA

Senior Matriculation Certificate

GREAT BRITAIN

In the General Certificate, passes in five suitable subjects at Ordinary level and, in addition, in two appropriate subjects at Advanced level.

In addition, pupils of recognized British Public and Secondary Schools who have obtained the General Certificate of Education with the requisite standing as recognized for Junior Matriculation may be admitted to the Second Year without further examination, if they have satisfactorily completed at school a further year's work in the subjects of the McGill Senior School Certificate, and if they are specially recommended by their headmasters or headmistresses.

McGill University

Montreal

Scholarships, Bursaries, Prizes, and Medals

1961-1962

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
Institute of Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture and School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. For limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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1960-61

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Merirose Allen
Hazel Dawe
Aniko Deczky
Laurel Fulton
Richard N. Henriksen
Rodney H. P. Johnson
Donald A. N. Meldrum
David A. Prebble
Harold W. Proppe
Dorothy M. Turnbull
R. John Wray

J. W. McCONNELL SCHOLARSHIPS IN SCIENCE AND ENGINEERING

SCIENCE

Arthur R. Barron
Brenda C. Barry
Gary K. Bavaria
Morrie Baum
Douglas S. Beder
Robert T. S. Bennett
William P. Byers
Robert Catellier
Herbert L. Cohen
Monroe W. Cohen
Dean N. Clay
Jacques F. Derome
Leslie J. Dorfman
Mark S. Fowler
Peggy D. Frandsen
Barry Frank
W. Morven Gentleman
Saul Goldman
Arthur Greenspoon
Michael A. Hale
Donald C. Harper
Seymour Heisler
Yigal S. Horowitz
Gordon J. Hurford
Sharron M. Kelly
Gordon J. Kirschberg
Hershey H. Kisilevsky
Lela C. Korenberg
Margaret E. Kuss
Gary Luxton
Cameron Macdonald
Richard J. Maggi
Paul S. P. Meaney
Monroe Miller
Trevor T. Moon
David D. Morton
Alan B. Moscovitch
George E. Mosley
Martin M. Nathanson
Lorna F. Newcombe
Melvyn Niederhoffer
Edward Perlman
Jacques Perrault
Leon J. Rabin
Berel N. Rodal
Frances E. Rorke
Eric A. Saibil
Bernard Sandler
Florence Shanfield
Alexander Shapiro
Saul L. Share
Richard W. Shorrock
Samuel J. Snyder
Victor Stein
Graeme G. Strathdee
H. Harold Titleman
Stanley Unger
Dale Zilbert
Eric I. Zornberg
Hyman Zuckerman

ENGINEERING

David J. F. Archer
Alan D. Blair
Irwin Block
Albert W. Bridgewater
Keith N. Dannacker
Gilles J. Denoncourt
Neil N. Downey
Avram D. Dunsiger
Walter W. Duley
Donelda J. Funnell
Brian J. Hagan
Henry W. Hinds
Harry D. Hunter
Colin W. Jarvis
Bruce R. Johansson
C. William Jones
Harold J. Katzin
Seymour Kerman
Marcel Lachance
Norman Laurin
Pierre Lavallee
Barry K. Levitt
Edward A. MacDonald
Barry J. Margolese
Brian D. Marshall
Douglas B. Martin
Bernard H. Ornstein
Camile Pelletier
Kenneth Porter
Arthur J. Rizzo
Jehad Shatilla
Murray Shostak
Jack W. Siebrasse
Stuart D. Smith
Douglas Steen
N. Ray Tanaka
Robert W. Thomas
Domenico J. A. C. Venditti
Ronald Williams
Bernard Zeigler

NATIONAL SCHOLARSHIPS

ARTS AND SCIENCE

James E. Alcock
Jack Brandes
Allan I. Cameron
Myrna L. Carlin
Marianne I. Froese
Nora O. Foster
Curtis Gullacher
Gerald Jarrard
Doreen Lebreton
Janice Oliver
Philip Pacey
Thomas E. Tausky
Doreen Trenker
*Harro Van Brummelen
*Joanne N. Wawrykow

ENGINEERING

Peter Dalchau
Russell Knight
J. Barrie Smith

MEDICINE

Grenfell Adams
Ina E. Cummings
Cecil B. MacLean
David Tector

DIVINITY

Stephen J. F. Collins

SCHOOL OF SOCIAL WORK

Ernestine Shapera

SCHOOL OF HOUSEHOLD SCIENCE

Janet M. Walker

*David Wolfson Scholarship Holders

UNIVERSITY SCHOLARSHIPS

ARTS AND SCIENCE

Arnold Aberman
Mark Achtman
Merirose Allen
Sharon L. Allen
Judith B. Avrutick
Beverly Baines
Sylvia P. Bank
James D. Barrington
Morrie Baum
Douglas S. Beder
Susan M. Begg
Anne C. Begor
Paula M. Berger
Laurel A. Blenkinsop
Thomas Bloom
Norman H. Bogo
Carole Brainin
Klaus J. Braun
Ursula Braun
Gary W. Burggraf
Robert L. B. Burns
Ralph J. Buttery
Allan I. Cameron
John D. Cant
Nick Carmasino
Clare L. Chatland
Alan A. Chodos
Gerald A. Cohen
Jerald M. Cohen
Monroe W. Cohen
John E. L. Coté
Irwin Cotler
Hyman J. Crystal
Charles M. Dalfen
Arthur J. De Meulemeester
Jacques F. Derome
Denis L. Desautels
Pierre A. Desautels
Robert A. Dickinson
Jesse Donald Dickson
Rosalind Dixter
Demay Du Toit
Eli Einbinder
Donna M. Embree
Sandra R. Erdell
Michael P. Feiner
Joy L. Fenston
Irving H. Fox
Franklin B. Friedmann
Maurice Frojmovic
Laurel A. Fulton
Elana Fuzailof
Michael L. Garonce
Diane R. Geddes
Joseph J. Gilbert
Hyman Glick
Seymour Glouberman
Thomas H. Golberg
Michael A. Golberg
William A. Goldberg
Howard J. Golden
Bram C. Goldwater
Glen A. Goodale
Paul Gough
H. Douglas Graham
Susan G. Gross
V. Anne Hale
David Halpern
Claude W. Hargreaves
Richard N. Henriksen
Donna N. Hill
Ka Wo Ho
Carol Huberman
Peter Humphreys
Gordon J. Hurford
Rosalind Hyman
Milan Ihnat
Naematullah Ismail
Gerald A. Jarrard
Daniel L. Jassby
David Julius
Richard J. Kaiser

Gordon J. Kirschberg
Sheila Klarberg
Jack Klein
Naida Konkin
Judith B. Kostman
Aviva Kravetz
Donna C. Krolik
Michael I. Kugelmass
Linda H. Lang
Wendy A. Laskey
Victor Lawetz
Doreen E. Lebreton
Edward Lee-Ruff
L. Jane Lessard
Lew S. Lewis
Thomas J. Lockwood
Barbara MacIntosh
Sherrill A. MacKimmie
Sandra J. MacLean
Sheena M. MacPherson
Eleanor A. Mamen
Mark S. Mandelcorn
Barry Margulis
Isadore Markowicz
Barry T. A. McKee
Sheila I. McLean
Mary E. McMillan
Lorne M. Mendell
Joseph Mendelsohn
Rebekah Z. Mendelson
Jack M. Miller
Monroe Miller
Dorothy J. Milne
Seymour Mishkin
Nancy C. Moore
Ronald J. Moore
Alan B. Moscovitch
Georges J. D. Moyal
Jeffrey Y. P. Mui
Ernest Nadel
Martin M. Nathanson
Lise J. Novak
Joseph Oliver
Jane C. Owen
Mary S. Owen
Philip D. Pacey
Ronald E. Pearlman
Joan E. Portfors
Wendy J. Portnuff
Leon J. Rabin
Michael D. Rabinovitch
Harriet Reich
Mary M. Romer
Peter L. Rosenbaum
Melvyn Z. Rosenfeld
Ralph Z. Roskies
Charles Roth
James Rother
Noel P. Roy
Lorne A. Runge
Eric A. Saibil
Bernard Sandler
Patrick F. Schindler
Michael I. Schleifer
Florence Shanfield
Charles W. Shannon
Hyman Shuldiner
John M. Sichel
David J. Solway
Irene Starosta
Guy Steed
Martha L. Stein
Michael B. Stein
Ralph M. Steinman
Donna C. Stevens
Virginia H. Stikeman
Joseph B. Stovel
John M. Suzuki
Roman Szmidt
Tung Toong
Gillian E. Topham
Liang Tso
Mary L. Turner
Judith A. Van Vliet
Dirck Van Vliet
Ralph C. Walker
Gary D. Webb
Harvey M. Weinstein

Marvin M. Wiesenthal
Jack H. Wilson
Yan Chu Woo
Rodney A. Yellon
Anne W. Young
Eric I. Zornberg
Ireneus B. Zuk

ENGINEERING

Michael A. Albisser
Edgar Alzner
William J. Anderson
Jean C. Benitah
Eugene Bercel
Eric Bierman
Alan D. Blair
Martin C. Blumenthal
David W. Bogdanoff
Albert W. Bridgewater
Eugene A. G. Brobbey
Robert Brunet
Lawrence G. Burton
Brian W. Bussey
William K. E. Carswell
Tsiu Chiu Chan
Paul M. Clark
Robert M. Cleary
John B. Cole
A. Peter Dalchau
Carole L. Darabaner
Gilles J. G. Denoncourt
Walter W. Duley
John T. Dunn
Avram D. Dunsiger
Robert J. Duveau
Lada P. Falta
Morton Fels
David H. Fish
Barry N. C. Flynn
Steven Gero
Robert C. Haack
Babarinde A. Harrison
Jaakko A. Hartman
Jacques R. Hebert
Edward J. Janacek
Kenneth Jassby
Ronald D. Kennedy
Russell M. Knight
Kari J. Koiste
Gerhard P. Korber
Danny C. Krupka
Frank Kruzich
George R. Kubanek
Chi Kai Clyde Kwok
Arthur Chui Fu Lau
Pierre Lavallee
Ernest Lavigne
Yim Leung
Peter W. T. Lui
Barry J. Margolese
Ronald N. Miller
William A. Miller
Robert O. Molson
Douglas E. Moore
Thomas A. Nagylaki
Brian A. Nevitt
Charles T. Ogryzlo
Bruce C. Orr
Richard P. C. Paul
David N. W. Pickersgill
Juri Pill
John F. Pinel
Brian E. Riseborough
David D. Rodier
Paul M. Russo
Moshe Safdie
Thomas Seebohm
Robert F. Shapiro
Edward J. Shpiro
John H. Simons
Stuart D. Smith
Tom Surek
Christopher W. K. Tam
John M. Trischuk
Jeffrey Usheroff
Jack Utsal
Michael B. Walker
Richard W. Warner

John R. Wearing
Edmund J. Weber
Ronald F. Williams
R. Mark Wilson
Jerzy I. Wygnanski
Chok Yu
Chung Yu
Watson K. Y. Zan

MEDICINE

Emil J. Bardana
Michael J. Barza
Morris A. Blajchman
Shin Yat Sylvester Chiu
Bernard G. Forget
Phil Gold
Eleanor A. Gonder
Stephen I. Goodman
Abraham S. Katz
Max G. Katz
Abdullah Y. Khan
Morton Korn
Mortimer Mamelak
Morven C. McIlquham
*Paul S. Milley
Martin Raff
Eric Rennert
**David L. Rimoin
Francis P. Ryan
Isidore Shanfield
Theodore Shiff
James W. Squires
Harold Strauss

DENTISTRY

Joseph G. Abood
Charles A. Casey
Robert J. David
Harvey Faigan
Stanley Freeman
Seymour R. Friedman
Stephen Miller
Lynton Ngui-Kon-Sue
Charles W. Oyer
Dante Villani
Gerard H. G. Weinlander
Carl G. Wirth

LAW

Joyce Carruthers
Paul B. Cohen
Alan Z. Golden
Bertrand Lacombe
Norman M. May
Mark M. Rosenstein
Arthur C. Schweitzer
Mortimer Zuckerman

AGRICULTURE

Andrew J. Lee
Kar Cheong Thong

SCHOOL OF HOUSEHOLD SCIENCE

Enid M. Mitchell

SCHOOL FOR GRADUATE NURSES

Jennifer Robinson

LIBRARY SCHOOL

Catherine Kollar

MORRIS W. WILSON MEMORIAL SCHOLARSHIPS

ARTS AND SCIENCE

Mary E. Belbin
Beverley J. Cramm
Janat H. M. Fraser
Denis J. Kemp
Harriet Lambert
Lorna J. Mackenzie
Orville J. Messenger
Wendy K. Potter
Donna C. Stevens

*James Eccles Scholar. **Frederick Smith Memorial Scholar.
The names of some scholarship holders appear under more than one heading.

Scholarships, Bursaries, Prizes, Medals, and Loan Funds

I. GENERAL STATEMENT

1. POLICY

The policy of the University Scholarships Committee is first, to recognize and honour scholarship; second, where a scholarship winner is in financial need, to meet that need as far as resources permit and as equably as possible, through its Student Aid Office. The fact that a student wins a scholarship is published. The fact that he may receive financial aid is not published.

DEFINITION OF TERMS

Funds for financial aid to students come from several different sources; general University funds, private benefactors, industry, corporations and governments. The terms used to describe awards are not therefore completely uniform. The following definitions apply to those funds allocated by the University and express the revised policy approved by the University Scholarships Committee, Senate, and the Board of Governors in 1960-61. This does not apply to certain awards whose values are indicated throughout this Announcement.

Scholarship.—A scholarship is an honour granted for distinguished academic performance. It carries an automatic award of $100. Any scholarship winner, however, who has financial need should apply for financial assistance as indicated below.

Bursary.—A bursary is a financial award made on the basis of need, to a student whose academic achievement, promise and character are acceptable.

Loan.—A loan is a form of aid awarded to supplement a student's resources where his earning potential justifies the prospect of early repayment. In granting loans, sound academic achievement, promise and character are taken into account.

Fellowship.—A grant of a specific amount awarded for graduate study or research and based only on ability.

2. STUDENT AID OFFICE

The amount and nature of financial need is determined by the Student Aid Officer.

Applications for Entrance Scholarships should be directed to the Registrar's Office. If financial aid is requested by an entering student the Registrar will forward the request through the University Scholarships Committee to the Student Aid Office.

Applications from students whose scholarships have been renewed and by upper year applicants for bursaries and loans should go directly to the Student Aid Office.

Except for Fellowships, which are in a special category, the assumption is that the first responsibility for a student's education lies with his parents and with the student himself. Where, however, parental help is unavoidably inadequate, the University will help as far as possible.

Bursaries and loans are also available to students who do not have scholarship standing. A loan may be as high as one year's fees but the University does not encourage students to become heavily indebted.

All applicants for aid are expected to apply for Dominion-Provincial grants or other assistance for which they may be eligible to help them finance their University education.

SCHOLARSHIP APPLICATION

Applications for Entrance Scholarships of all kinds should be made in the first instance to the Registrar's Office. The forms should be completed and in that office by June 1st and a confidential letter should also be sent by the High School Principal. The official matriculation results should be forwarded as soon as they are available.

GENERAL REGULATIONS

(1) Scholarships are awarded and bursaries and loans granted only to students taking a regular course leading to a degree or diploma.

(2) Scholarships are awarded only if an adequate academic standard is attained.

(3) The annual income of scholarships and bursaries is usually paid in two instalments, one in October and one in January.

II. ENTRANCE SCHOLARSHIPS

Unless otherwise stated, applications for these scholarships must be made to the Registrar before 1st June.

Unless otherwise indicated, the word "Examination" is used below to denote the University School Certificate Examination, the Provincial High School Leaving Examination, the Catholic High School Leaving Examination, or any other standard examination recognized for entrance scholarships.

Applicants who have written examinations other than the McGill School Certificate Examination should send a certified copy of their examination marks to the Registrar's Office as soon as they are published.

NATIONAL SCHOLARSHIPS.—These scholarships are designed to enable outstanding men and women from all parts of Canada who would not otherwise be able to do so to attend the University. They will be awarded both to students entering undergraduate degree courses by means of matriculation examinations and to students entering any professional faculty of the University except the Faculty of Graduate Studies and Research. The undergraduate work of students entering such professional faculties as Medicine, Dentistry, Law, Divinity, etc., must have been completed at some other university. These scholarships are tenable for four years or for the period necessary for the holder to obtain his first degree, whichever is the shorter period provided academic standing satisfactory to the University Scholarships Committee is maintained. The amount awarded will depend upon need, but may extend to the full costs of tuition, residence and board. As far as possible, holders will be accommodated in University residences, but this cannot be guaranteed.

Normally, National Scholarships will be awarded only to students who reside outside the Montreal area.

Matriculants must apply on forms to be obtained from the Registrar's Office as indicated above. Applicants for National Scholarships in the professional faculties must apply in the first instance to the Dean of the Faculty or School concerned whose deadline for admissions may be as much as six months earlier.

DAVID WOLFSON SCHOLARSHIPS.—Two of the National Scholarships have been made possible through the generosity of Mr. David Wolfson and two winners will, therefore, be designated as David Wolfson Scholars.

UNIVERSITY ENTRANCE SCHOLARSHIPS.—These scholarships are awarded on the basis of academic record and general promise and are open to men and women from any part of Canada. They are tenable in any undergraduate degree course and are renewable annually until graduation. Where there is financial need candidates may apply for assistance and winners from the Montreal area may, on proof of need, receive up to full tuition fees. Winners from other parts of Canada may receive up to full tuition fees plus the cost of board and residence as indicated by the need for financial assistance. Those who have no financial need will be entitled to receive the nominal sum of $100 as a tangible recognition of the honour they have won.

Application for these awards and for financial assistance should be made through the Registrar's Office as indicated above.

J. W. MCCONNELL SCHOLARSHIPS IN SCIENCE AND ENGINEERING.—These scholarships which were made possible through the generous donation of Mr. J. W. McConnell, are awarded to students proceeding to degrees in any field of Science or Engineering and are renewable each year. Candidates must have been born in Canada and must show that their financial circumstances are such that without this scholarship they would be unable to attend the University. Upon proof of need a Montreal student may receive up to the tuition fees. A student from outside Montreal, on proof of need, may receive up to the tuition fees plus the cost of board and residence.

J. W. MCCONNELL MEMORIAL SCHOLARSHIPS.—Created and endowed by Mr. J. W. McConnell of the Board of Governors as a memorial to the men and women of the University who gave their lives in the war of 1939-45. The Scholarships are open on equal terms to men and women from any part of Canada and are tenable in the Faculty of Arts and Science, or the Faculty of Engineering. Each scholarship covers the full tuition fee as well as the cost of board and residence in Douglas Hall or the Royal Victoria College for four years or the period necessary to enable the winner to obtain his degree, whichever is the shorter. The award is made by a Special Committee which takes into consideration the character and the financial circumstances of the applicant as well as the academic record. The holder will normally forfeit the scholarship if he fails to maintain satisfactory academic standing.

MORRIS W. WILSON MEMORIAL SCHOLARSHIPS.—Established by contributions from a large number of intimate friends and business associates of the late Morris W. Wilson as a memorial to a distinguished citizen who, among his many public activities, rendered distinguished service to the cause of education, and who, at the time of his death, occupied the office of Chancellor of McGill University. The creation of the fund marks the culmination of a hope long cherished by Mr. Wilson, that of supplying the means whereby young Canadian boys and girls of outstanding ability and promise, but in poor financial circumstances, might obtain the benefits of a university education. It is hoped that this fund may be the means of assisting many deserving young Canadians, particularly those from rural areas, to become better equipped to perform the duties of citizenship and so more effectively to apply their abilities to the general development and welfare of their country.

These Scholarships are open on equal terms to men and women of Canadian parentage, now resident in Canada, and are open only to students who wish to enter the Faculty of Arts and Science, the Faculty of Engineering, or the degree course in Agriculture at Macdonald College. Each scholarship covers the full tuition fee of the student, as well as the

cost of board and residence at Douglas Hall, the Royal Victoria College, or Macdonald College, for four years or the period necessary to enable the student to obtain his degree, whichever is the shorter. The holder will normally forfeit the scholarship if, during his course, he fails to maintain satisfactory academic standing.

GENERAL MOTORS SCHOLARSHIPS.—Three entrance scholarships at McGill University have been established by the General Motors Corporation of Canada and are open to outstanding young Canadian men and women entering the Faculty of Arts and Science, the Faculty of Engineering, or the degree courses in Agriculture or Household Science at Macdonald College. The scholarships are renewable annually, provided the holders maintain a satisfactory academic standing, for a period of four years or the period necessary to enable the winner to obtain his degree, whichever is the shorter. Should a holder withdraw or fail to maintain a satisfactory standing the scholarship may be awarded to another qualified candidate who is a member of the same class. The amount of each award is flexible and will range from an honorary award of $200 up to an award of $2,000 a year depending upon the demonstrated need of the individual.

INCO SCHOLARSHIP.—One entrance scholarship has been established by the International Nickel Company of Canada Ltd., restricted to study in the fields of geology, geophysics, mining, metallurgy, physics, mathematics, and engineering. The scholarship covers tuition fees and provides an additional allowance for books and living expenses. It is open to graduates of any Canadian high school or preparatory school and is awarded by the University Scholarships Committee on the basis of academic record, character, and financial need. It is renewable annually for a period of four years or the period necessary to enable the winner to obtain his degree, whichever is the shorter, provided satisfactory standing is maintained. If the holder of a scholarship withdraws from the University or fails to satisfy all the requirements, the scholarship will be awarded to another qualified student who is a member of the same class.

JAMES H. CUMMINGS SCHOLARSHIPS.—Two entrance scholarships in the Faculty of Medicine have been established by a legacy from the late James H. Cummings. These scholarships have a value of at least $500 each and will be awarded at the discretion of the Faculty of Medicine.

EDGAR WILSON AND MARGARET WILSON SCHOLARSHIPS.—These scholarships were established in 1956 by a bequest from the late Edgar Moles Wilson to provide scholarships in the case of boys to be known as the Edgar Wilson Scholarships and in the case of girls to be known as the Margaret Wilson Scholarships. They are to assist boys and girls in obtaining higher education in any faculty and are awarded by the Student Aid

Officer on the basis of academic merit and financial need. The awards will not exceed $600 a year and will be renewable annually provided satisfactory standing is maintained.

SIR WILLIAM MACDONALD ENTRANCE SCHOLARSHIPS IN ARTS AND SCIENCE.—Four scholarships of $150 each, tenable for one year only, were endowed by Sir William Macdonald and are open only to men.

SIR EDWARD BEATTY MEMORIAL SCHOLARSHIPS.—Two scholarships, one in Classics (Greek and Latin) and one in Mathematics, of the value of $600 each, were founded by the late Sir Edward Beatty, former Chancellor of the University. The scholarships are payable at the rate of $150 per annum for four years, and are tenable only in the Faculty of Arts and Science. The scholarships are awarded primarily for ability in either Classics or Mathematics, but school and examination records in other subjects may be taken into account.

The winner of a Sir Edward Beatty Memorial Scholarship on entering the University need not necessarily take courses leading to honours in Classics or in Mathematics, but may enter any course for which he is qualified in that Faculty.

These scholarships are open only to male students, educated in Canadian schools, whose parents are British or Canadian born.

HON. ROBERT JONES BURSARY.—Valued at $120 per annum is granted "from time to time to some needy student for the full term of study in the Faculty of Arts and Science or Engineering." The bursary is not continued if the standing of the holder proves to be unsatisfactory.

ROBERT BRUCE SCHOLARSHIP AND BURSARY.—One entrance scholarship of $100 for one year is available in the Faculty of Arts and Science.

One bursary of $100 is open each year to "young men and women of promising abilities but of straitened circumstances in Arts and Science or Engineering."

FONDATION LES AMIS DE L'ART BURSARY.—A bursary of $200 has been established by the Fondation Les Amis de l'Art as a contribution towards the costs of a complete course either in music or in literature renewable each year of the course. The award is made by the Student Aid Officer to a student under 25 and of limited financial means.

OTTAWA VALLEY GRADUATES' SOCIETY BURSARY.—This bursary of $100 is given through the Ottawa Valley Branch of the Graduates' Society and is open only to bona fide residents of the territory of the Ottawa Valley Graduates' Society. The winner is selected by the University from candidates who have written (1) The McGill School Certificate Examination

or (2) The Quebec Catholic or Protestant High School Leaving Examination or (3) The Ontario Grade 12 Examinations or (4) The McGill Senior School Certificate or (5) The Ontario Grade 13 Examination or (6) The Quebec Catholic or Protestant Senior High School Leaving Examination.

VALLEYFIELD ROTARY SCHOLARSHIP.—An entrance scholarship of $500 is available to residents of the City of Valleyfield and Nitro entering the First year of the University. Preference will be given to those entering the Science or Engineering courses and to those who would not otherwise be able to attend the university. The Scholarship is awarded by the University Scholarships Committee. Application should be made to the Valleyfield Rotary Club.

SEBA ABBOTT SMITH MEMORIAL SCHOLARSHIP.—This scholarship which is restricted to women students has a minimum annual value of $50 and a maximum annual value of $200. It will be renewable annually until the holder obtains her first degree provided the holder maintains an academic standing satisfactory to the University Scholarships Committee. The actual value of the award will be determined each year by the Student Aid Officer according to the need of the holder.

CANADIAN PACIFIC RAILWAY SCHOLARSHIPS.—Scholarships covering five years' tuition in Chemical, Civil, Mechanical, or Electrical Engineering, or six years' tuition in the School of Architecture, or four years' tuition in the Arts or Science courses of the Faculty of Arts and Science, or in the School of Commerce, or four years' tuition in the School of Household Science, Macdonald College, or four years' tuition in the B.Sc.(Agr.) course in the Faculty of Agriculture, Macdonald College, are awarded annually by the Canadian Pacific Railway Company. These are open for competition to apprentices and other employees of the Company under twenty-one years of age, as well as to minor sons and daughters of employees.

The scholarships will be renewed until the holders obtain their first degrees provided they are entitled to full standing in the next higher year.

Forms of eligibility and full particulars as to the number of scholarships available, etc., may be obtained from Mr. T. E. Brady, Superintendent of Pensions and Staff Registrar, Pension Department, C.P.R. Offices, Montreal. Applications, on forms obtainable from the Registrar's Office, accompanied by statements of eligibility from Mr. Brady, must reach the Registrar's Office before 1st June.

GEORGE HERRICK DUGGAN MEMORIAL SCHOLARSHIPS.—Two scholarships have been established as a memorial to the late George Herrick Duggan, D.Sc., LL.D. These are:

(*a*) A scholarship offered annually by the Dominion Engineering Company, Limited, open to all employees of the Dominion Engineering Company, Limited, and its wholly owned subsidiary companies, and to their sons and daughters.

(*b*) A scholarship offered annually by the Dominion Bridge Company, Limited, open to all employees of the Dominion Bridge Company, Limited, and its wholly owned subsidiary companies, and to their sons and daughters.

The value of each of these scholarships will not exceed $750 if the winner comes from outside Montreal, or if in the judgment of the Committee it is desirable for the winner to reside away from home in the interests of his academic work. If the winner is able to live at home, however, the value of the scholarship will be equivalent to the full tuition fees payable to the University, and the Awarding Committee may in this case make an additional grant where there is financial need.

The purpose of these scholarships is to provide an incentive to eligible candidates to qualify themselves for a university education in engineering or scientific work or allied subjects, and to afford them financial assistance while pursuing university studies. The scholarships are awarded primarily on the intellectual attainment and academic record of the applicants, although the characters of the candidates and other circumstances are also taken into consideration. They may be granted for any period, from one to five years, inclusive. To qualify, the applicant must attain the entrance requirements from time to time established by the University for the course of study applied for, with an average standing of not less than 75%, and thereafter maintain satisfactory academic standing.

In exceptional cases qualified students in the Faculty of Arts and Science and the Faculty of Engineering may be considered for these scholarships.

CONSTRUCTION INDUSTRY SCHOLARSHIP.—A scholarship of $525 is open annually to the sons of employees in the Construction Industry and is tenable in the Faculty of Engineering (Civil, Electrical, or Mechanical only) or the School of Architecture. The award is made by the University Scholarships Committee in consultation with the Building Trades Joint Committee. Academic qualifications and financial need are taken into consideration when making the award. The scholarship is renewable annually until the holder graduates provided his academic standing is sufficiently high. Application forms may be obtained from the Building Trades Joint Committee, 1526 St. Mark St., Montreal, and must be returned by June 1st.

FRANK P. JONES SCHOLARSHIPS.—Under the will of the late Frank P. Jones, in his lifetime President of Consumers Glass Company, Limited, provisions have been made for the establishment of one or more scholarships at McGill University, which are open to junior employees and to sons and daughters of employees of Consumers Glass Company, Limited. Each scholarship will have a maximum annual value of the amount of the holder's tuition fees plus $150 for books and incidentals, and will be awarded by the University Scholarships Committee to a candidate with qualifications satisfactory to the University. Each candidate must have a good matriculation standing. The scholarships are renewable annually provided the holders obtain satisfactory grades in the examinations at the University.

SPRUCE FALLS POWER AND PAPER COMPANY LIMITED SCHOLARSHIP.—An entrance scholarship of $1,000 established by the Spruce Falls Power and Paper Company Limited is open to students entering the First or Second year of the Faculty of Engineering. The award is made by the University Scholarships Committee in consultation with the Scholarships Committee of the Faculty of Engineering on the basis of academic standing, engineering promise, and financial need. The scholarship is renewable for a second year in the Faculty of Engineering provided satisfactory standing is maintained and will be of the value of $600.

JAMES DAVIDSON MCCALL SCHOLARSHIP.—This scholarship was founded by his family in memory of James Davidson McCall, B.Eng., who was accidentally killed in September 1953, the year of his graduation. It is awarded to a student of Canadian citizenship entering First or Second year Engineering and is renewable annually until graduation provided the holder maintains satisfactory academic standing. The scholarship covers the cost of tuition fees each year. The award is based on academic merit, character, initiative, and financial need. Application should be made on the regular Entrance Scholarship form. This award will be open for competition for the 1963-64 session.

KIMBERLY-CLARK SCHOLARSHIP.—An entrance scholarship of $600 established by the Kimberly-Clark Corporation of Canada Limited is open to students entering the First or Second year of the Faculty of Engineering. The award is made by the University Scholarships Committee in consultation with the Scholarships Committee of the Faculty of Engineering on the basis of academic standing, engineering promise and financial need. The scholarship is renewable for a second year in the Faculty of Engineering provided satisfactory standing is maintained and will be of the value of $400. If the holder of a scholarship withdraws from the University or fails to satisfy all the requirements, the scholarship will be awarded to another qualified student who is a member of the same class.

SIDNEY J. HODGSON SCHOLARSHIPS.—Two scholarships, of the approximate values of $200 and $175 respectively, were founded by Arthur J. Hodgson, Esq., in memory of his son, Sidney James Hodgson, a student of the First Year in Arts, who was killed in action on September 27th, 1918, while serving in the 66th Battery of the Canadian Field Artillery. They are open to boys and girls of Westmount High School who have been in attendance for at least one year. The $200 scholarship is tenable only in the Faculty of Engineering and the $175 scholarship only in the Faculty of Arts and Science. They are awarded to the pupils with the highest percentages in the Junior High School Leaving subjects required for admission to these faculties.

QUEEN ESTHER CHAPTER NO. 30 ORDER OF THE EASTERN STAR BURSARY.—This bursary of $100 established in 1951 by the Queen Esther Chapter No. 30 Order of the Eastern Star is awarded annually by the Student Aid Officer to a deserving student entering the University.

SYRIAN CANADIAN ASSOCIATION BURSARIES.—The Syrian Canadian Association has established a bursary fund available to any student of Syrian-Lebanese descent residing in (a) the Greater Montreal area; (b) the Province of Quebec; (c) Canada; with preference given to students in the above order. No restriction as to choice of faculty or year is imposed but preference will be given to students entering the University at the Senior or Junior Matriculation level. The bursaries will be awarded on the basis of good academic standing and financial need. The maximum amount granted to any one student shall be the equivalent of the student's tuition fees and the amount granted will vary with the financial need of the student.

CANADIAN BECHTEL LIMITED BURSARY (see page 661).

SCHOLARSHIP GRANTED BY THE GRADUATES' SOCIETY OF THE DISTRICT OF BEDFORD.—This scholarship of $225 is awarded each year to a student who has taken his or her High School classes (Grades IX, X, and XI) in one of the High Schools of the District of Bedford and who enters the University or Macdonald College to take any full-time degree course. The award, which may be divided between two students, is based on the results of the High School Leaving marks and is awarded by the District of Bedford Graduates' Society upon the recommendation of the University Scholarships Committee.

ST. FRANCIS DISTRICT GRADUATES' SOCIETY BURSARY.—This Bursary of $400 is restricted to residents of the area covered by the St. Francis District Branch of the Graduates' Society and is open to pupils of any high school or private school entering any faculty or school of McGill University, including Macdonald College. The Bursary may be renewed

for a second year. An amount of $250 of the Bursary is to be repaid by the holder at the rate of a minimum of $50 per year after graduation. The award is made by the St. Francis District Branch of the Graduates' Society on the recommendation of the University Scholarships Committee. Application forms may be obtained from the Registrar's Office.

NARCISSA FARRAND (MRS. N. PETTES) SCHOLARSHIP.—This scholarship, of not less than $600 ($150 for four years), founded and endowed by Mr. and Mrs. H. V. Truell, of Sweet Acre, Knowlton, Que., is awarded annually to the candidate from the Eastern Townships who obtains the highest marks in the June Entrance Examinations for admission to the Faculty of Arts and Science, and who has had his domicile in the Eastern Townships for five consecutive years immediately preceding the examination.

GRACE FAIRLEY TRAFALGAR SCHOLARSHIP.—Founded in 1913 by certain friends and former pupils of the late Miss Grace Fairley, to signalize her long and faithful service to education as head of the Trafalgar Institute. It is of the value of $100, is tenable for one year only, and is awarded annually to the student of Trafalgar Institute who obtains the highest marks in the June School Certificate Examination and enters the Faculty of Arts and Science.

ISABELLA C. MACRAE SCHOLARSHIP.—This scholarship of $150 is open to residents of Maxville, Ont., who have satisfied the requirements for entrance to McGill University. Should there be no successful applicants from this locality for six years, the scholarship will subsequently be open to any resident in Ontario.

TIGNISH SCHOLARSHIP.—This scholarship of $500 is open to students from New Brunswick, Newfoundland, Nova Scotia or Prince Edward Island, and is tenable for one year only. It is open to students entering the Faculties of Arts and Science, Engineering, Agriculture, or the School of Household Science, and is awarded on the basis of academic standing and financial need.

DUNCAN MCCASKILL SCHOLARSHIP.—This scholarship which is restricted to students from Nova Scotia has a minimum annual value of $50 and a maximum annual value of $200. It will be renewable annually until the holder obtains his or her first degree provided the holder maintains an academic average satisfactory to the University Scholarships Committee. The actual value of the award will be determined each year by the Student Aid Officer according to the need of the holder.

CHRISTIE-STORER SCHOLARSHIP.—A scholarship of the value of $300, endowed by the above-named Chapter of the I.O.D.E. in memory of the men of St. Lambert who fell in the Great War, 1914-18, is awarded

annually to the pupil residing in St. Lambert who stands highest in the June High School Leaving Examination each year at the Chambly County High School.

MONTREAL WOMEN'S CLUB ELIZA REID MEMORIAL SCHOLARSHIP.—Founded in 1927 by the Montreal Women's Club in memory of the first President of the Club, Mrs. Robert Reid. This scholarship of the value of $150 is tenable for one year, and is awarded each year to a graduate of the Montreal High School for Girls who has completed at least Grades X and XI in this school, and who plans to enter the First year of McGill University in a degree course or to enter the Institute of Education (School for Teachers) in the Second Class Diploma course at Macdonald College.

NOTRE DAME DE GRACE WOMEN'S CLUB BURSARIES.—Two bursaries of $150 each, tenable in the First year of the University, are awarded annually to two women students who have completed Grades X and XI in West Hill and Monklands High Schools respectively.

VERDUN WOMEN'S CLUB INC. BURSARY.—This bursary of $100 is tenable for one year and is awarded annually by the Verdun Women's Club Inc. to a woman student who has completed Grade XI in the Verdun High School and who plans to enter the First year of the University. The award is based on academic record, character, and financial need.

WESTMOUNT WOMEN'S CLUB SCHOLARSHIP.—A scholarship to the value of $200 is awarded annually by the Westmount Women's Club to a woman student matriculating into McGill University or Macdonald College from the Westmount High School.

IMPERIAL ORDER DAUGHTERS OF THE EMPIRE SECOND WAR MEMORIAL BURSARIES.—A number of bursaries in Canadian Universities for students of high academic standing and promise are offered each year by the Imperial Order Daughters of the Empire as a memorial to Canadian men and women who gave their lives in the defence of Freedom during the Second World War. At least one bursary will be awarded in each Province and one in the Yukon to sons and daughters of deceased or disabled Canadian men and women of the Services (Army, Navy, Air Force; World War II) who are receiving a pension. These bursaries are of the value of $1,600, i.e., $400 a year for four years provided the holder passes the examinations of each year in the spring or at the latest in the autumn of the same year, and satisfies the Provincial Committee of Selection of his or her continued fitness to retain the bursary. In making the award the Selection Committee will take into consideration the general record and standing in school, physical fitness, and family circumstances. A candidate

must write the Provincial Departmental examinations and may choose the university which he or she wishes to attend. Further information and application forms may be obtained from the Provincial I.O.D.E. Educational Secretary of each Province. In Quebec, the address is 4112 Western Ave., Westmount, Quebec.

CONSOLIDATED PAPER CORPORATION SCHOLARSHIP.—Consolidated Paper Corporation Limited has made provision for the establishment of five annual scholarships of $500 each for employees or children of employees of the Company, one each at McGill, Laval, University of Montreal, Ecole Polytechnique, and Sir George Williams University. The scholarships are open to any permanent employee with two or more years of service and to any son, daughter, or legal ward of a permanent (or deceased) employee who has had two or more years of service unless such parent or guardian is in receipt of a salary or wage from the Corporation in excess of $12,000 per annum. They are open to students planning to take a degree course in the Faculty of Arts and Science or the Faculty of Engineering (excluding Architecture) and are tenable for four or five years, depending on the length of the course, provided the holder continues to maintain satisfactory academic standing. The scholarship at McGill is awarded by the University Scholarships Committee on the basis of academic record, financial need, and personal qualifications. Application should be made on the regular University Entrance Scholarship application form.

AMERICAN CAN COMPANY SCHOLARSHIPS.—These scholarships established by the American Can Company are open to junior employees who have completed at least one year's service with the Company and to sons and daughters of employees who have completed at least five years' service and whose salaries do not exceed $700 per month. All candidates must have completed a high school education or its equivalent and must have a scholastic standing in the top third of the class. Students who have begun their college careers are not eligible. Candidates will be required to take the scholarship aptitude test given by the College Entrance Examination Board. Each scholarship is of the value of full tuition fees payable to the college or university. Each winner may choose any approved privately controlled four year college or university in the United States or any Canadian college or university belonging to the National Conference of Canadian Universities and may undertake any course of study that he or she desires. Further information and application forms which must be submitted by November 30th may be obtained from the Administrator, Scholarship Programme, Canadian Division, American Can Company, 92 King St. East, Hamilton, Ontario.

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UNIVERSITY BURSARIES (see page 611).

KHAKI UNIVERSITY AND Y.M.C.A. MEMORIAL SCHOLARSHIP FUND (see page 628)

LEONARD FOUNDATION SCHOLARSHIPS (see page 628).

WOMEN ASSOCIATES OF McGILL BURSARY (see page 629).

GEORGE J. McMANUS MEMORIAL SCHOLARSHIPS (see page 626).

CHILDREN OF WAR DEAD (EDUCATION ASSISTANCE) ACT (see page 625).

DOMINION-PROVINCIAL LOANS AND BURSARIES (see page 625).

III. SCHOLARSHIPS, BURSARIES, LOAN FUNDS, AND PRIZES IN THE VARIOUS FACULTIES OF THE UNIVERSITY

A. OPEN TO STUDENTS IN ALL FACULTIES

UNIVERSITY SCHOLARSHIPS.—After one year at McGill, University Scholarships may be awarded by the University Scholarships Committee to students in any year of any undergraduate faculty. They are awarded for exceptionally distinguished work in the regular University examinations and special applications are not required.

Two of these University Scholarships have special names, the James Eccles Scholarship which is tenable in any year of any faculty, and the Frederick Smith Memorial Scholarship which is tenable only in the Faculty of Medicine.

All University Scholarships are renewable annually provided that, in the opinion of the University Scholarships Committee, the holders maintain a sufficiently high academic standing.

University Scholarships carry an automatic award of $100. Where there is financial need, however, winners may apply for assistance. Winners from the Montreal area may, on proof of need, receive up to full tuition fees. Winners from other parts of Canada may receive up to full tuition fees, plus the cost of board and residence as indicated by the need for financial assistance. Students with need, on notification of winning a University Scholarship should then apply to the Student Aid Office.

Unless otherwise stated, application for the following awards should be made to the Student Aid Office.

UNIVERSITY BURSARIES.—The University has established a number of bursaries open to students in all faculties and schools. The general regulations governing the award of these are stated on page 611. Application must be made on a special form which may be obtained from the Student Aid Office.

AID TO THE PHYSICALLY HANDICAPPED (QUEBEC).—Students in any faculty who have been resident and domiciled in Quebec for two years may apply for an outright grant if they have suffered from poliomyelitis, tuberculosis, certain forms of cardiac trouble, or some physical disability. Application should be made through the Student Counsellor, McGill University.

CHILDREN OF WAR DEAD (EDUCATION ASSISTANCE) ACT.—Under this Act fees up to $500 and monthly allowances are provided for children of Canadian veterans whose death was attributable to military service in World War I or II. Enquiries should be directed to the nearest District Office of the Department of Veterans Affairs or to the Student Counsellor, McGill University.

DOMINION-PROVINCIAL LOANS AND BURSARIES.—Most Provinces join with the Federal Government in offering bursaries, loans, or bursary-loans to degree students in many faculties and schools. These are open to men and women on equal terms. The Quebec Provincial bursaries given by the Department of Youth and Social Welfare are 60% grant and 40% loan, the latter bearing no interest until two years after graduation or ceasing studies. To be eligible for a Quebec grant, a student must have been resident and domiciled for two years in the Province of Quebec prior to admission to the University in a degree course, and must be under thirty years of age, in good academic standing, and in definite need of financial assistance. In some cases bursaries may be granted to married students. Students following the B.A. course and students in Divinity, Nursing and Graduate Studies are not eligible under this plan, nor are students who receive any assistance from other Government funds. The award varies with the need and will not generally exceed $300 for a Montreal resident or $500 for a non-resident in any one session. If the maximum amount is insufficient to enable a student to undertake or continue his studies an additional loan of $200 per academic year in the case of a resident and $500 per academic year in the case of a non-resident may be granted. These bursaries may be renewed upon application to the Student Counsellor, Dawson Hall, before 1st June if the conditions for granting the award are maintained. Applications for new bursaries must be submitted on the proper forms before 15th September. Decisions regarding

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renewals of these bursaries are usually made late in August, but decisions regarding the award of new bursaries are not usually made until after the middle of October. For further particulars apply to the Student Counsellor. Ontario bursaries and loans are tenable in all faculties except Divinity. Type A bursaries granted on second class standing in Grade XIII must be applied for through the school principal before July 1st. Students already at the University should apply after registration to the Student Counsellor. Students coming to McGill from other provinces should inquire from their Provincial Departments of Education whether they are eligible to participate in any comparable scheme.

GEORGE J. MCMANUS MEMORIAL SCHOLARSHIPS.—These Scholarships are awarded by the Student Aid Officer and are open to men or women students in any year of any faculty who have high academic records and need financial help. Each scholarship has a minimum value of $100 and a maximum value of $200. The actual amount awarded will depend upon the need of the winner. These scholarships may be held by students who already have other scholarships, provided they have real financial need.

PROCTER & GAMBLE STUDENT BURSARY FUND.—The Procter & Gamble Company of Canada Limited has established a fund of $1,500 to assist needy students in any faculty or year who are of good academic standing. There is no restriction as to race, colour, creed, or national origin, but recipients will normally be Canadian residents who expect to maintain permanent residence in Canada. Awards are made by the Student Aid Officer and the minimum award is $100. It is hoped by the Company that any student who benefits from the fund will later contribute to the general bursary funds of the University when in a financial position to do so. These bursaries may be held concurrently with other awards.

B'NAI B'RITH MOUNT ROYAL LODGE NO. 729 BURSARIES.—Three bursaries of $100 each have been given to the University by the Mount Royal Lodge of B'nai B'rith. These bursaries are open to men and women students in any faculty. Need and scholarship will determine the award. Applications should be made to the Student Aid Officer.

B'NAI B'RITH ST. LAURENT LODGE NO. 2102 BURSARY.—This bursary of $250, established by the B'nal B'rith St. Laurent Lodge No. 2102, is awarded by the Student Aid Officer to a deserving student in any faculty regardless of creed, colour, or race.

B'NAI B'RITH HILLEL FOUNDATION BURSARY.—This Bursary of $200, established by the B'nai B'rith Hillel Foundation of McGill University, is awarded

by the Student Aid Officer to a deserving student, irrespective of race, colour, or creed, in any faculty, preference being given to a student returning from service in the armed forces.

FREDERICK SOUTHAM KER BURSARY.—This bursary was established in 1941 by the late F. N. Southam in memory of his grandson, Frederick Southam Ker, who was killed in action on September 6th, 1940. This bursary of $200 is open on equal terms to men and women of all faculties without respect to religion or race. It is awarded to a student who gives promise of becoming a good citizen but is handicapped in his or her academic course by lack of funds. Financial need, character, and academic record are all taken into account in making the award.

STUDENTS' SOCIETY BURSARIES.—In 1953 the Students' Executive Council established three bursaries to be awarded by the Student Aid Officer without restriction as to race, colour, nationality, creed, or sex. The bursaries are open to members of the Students' Society in any faculty or year with at least Second Class standing in the year preceding the award. The basis of the award is financial need, academic standing, and the candidates' contributions to student activities (other than athletics). The present value of these bursaries is $150 each.

NATIONAL COUNCIL OF JEWISH WOMEN OF CANADA, MONTREAL SECTION, BURSARIES.—The National Council of Jewish Women of Canada, Montreal Section, offers each year a limited number of bursaries. The value of each award is normally $100. These bursaries are awarded by the Council upon the recommendation of the Student Aid Officer. Academic standing and financial need are both taken into consideration in making the award. Although there is no legal obligation to pay back these bursaries, the National Council of Jewish Women hopes that holders will, if possible, return the money at some future time so that other students may in their turn be helped through college. Application should be made on the regular Student Aid application form.

CELIA AMDUR ISAACS MEMORIAL BURSARY.—Established in 1953 by the Montreal Section of the National Council of Jewish Women and Mr. I. Sydney Isaacs, this bursary of $100 is awarded by the Council upon the recommendation of the Student Aid Officer. Application should be made on the regular Student Aid form.

ANNIE RABIN WOLFE BURSARY.—A bursary of $250 in memory of the late Mrs. Annie Rabin Wolfe has been established by Mr. David Wolfe, her husband, and Mr. Nathan Wolfe, her son. The bursary, which may be divided, is open to full-time students in any faculty or school without regard to nationality or religion. It is awarded by the National Council of Jewish Women upon the recommendation of the Student Aid Officer.

FELIX LEOPOLD BURSARY.—This bursary of $100 was established in 1953 by Mr. Felix Leopold of Montreal and is awarded annually by the Student Aid Officer to a needy student in any faculty. The holder must have a satisfactory academic record and be of good character, but may be of any religion or nationality.

ABRAHAM I. LANG MEMORIAL BURSARY.—This bursary of $50 has been established by Mr. I. Wachman in memory of the late Abraham Isaac Lang, B.A. '28, B.C.L. '32. It is open to men or women students in any faculty who have satisfactory academic records and real financial need.

KHAKI UNIVERSITY AND Y.M.C.A. MEMORIAL SCHOLARSHIP FUND.—The interest on this fund is awarded in scholarships by the Student Aid Officer subject to the following two conditions:

(i) that the scholarships may be held by undergraduates only;

(ii) that the preference is given to sons and daughters of soldiers:

(a) who served in the war of 1914-18;

(b) who served in the war of 1939-45.

LEONARD FOUNDATION SCHOLARSHIPS.—The Leonard Foundation, created in 1916 by the late Colonel Reuben Wells Leonard and Mrs. Leonard, offers each year a number of scholarships tenable at schools, colleges, and universities in Canada, approved by the Foundation.

The scholarships are open to men and women. A student to be eligible must be "a British subject, of the white race, of the Christian Religion in its Protestant form, and of the full age of fourteen years."

The amount of the award will vary with the need of the winner.

Sons and daughters of the following are given preference in the selection of scholars:

(a) Clergymen, (b) School Teachers, (c) Officers, Non-Commissioned Officers and Men, whether active or retired, of Her Majesty's naval, military, or air forces, (d) Graduates of the Royal Military College, (e) Members of the Engineering Institute of Canada, (f) Members of the Mining and Metallurgical Institute of Canada.

The University is willing to endorse and forward with its recommendation applications of any candidates who may wish to apply through the University and are approved by it.

Such candidates must make their applications on forms to be obtained from the Student Aid Office and must return these to the Student Aid Officer before January 1st in the year in which the award would be granted.

A booklet giving further particulars may be consulted in the Student Aid Office.

WILLIAM JOHN DEY BURSARIES.—Established in 1950 under the will of the late Mary Helena Dey in memory of her father, the Reverend William John Dey, M.A., D.D., (B.A.), Class of 1867, McGill University, these bursaries are open to full-time undergraduates, both men and women, in all faculties and schools, and are awarded by the Student Aid Officer.

KENNETH M. BURKE BURSARIES.—These bursaries were established in 1946 by Dr. Hugh E. Burke in memory of his brother, the late Kenneth M. Burke. They are open to men and women in any faculty, preference being given to sons and daughters of ministers of religion.

NOURALLA LUTFY MEMORIAL BURSARIES.—Two bursaries of $200 each were established in 1958 under the will of the late Mr. Nouralla Lutfy and a further donation from his son, Mr. John Lutfy. The awards are made by the Student Aid Officer to deserving students in any faculty or school.

FROTHINGHAM BURSARIES.—The Frothingham Bursary Fund was established in 1951 by a bequest from the late Mrs. Harriet F. Milller, the revenue of which is used to provide bursaries for outstanding women students in any faculty.

SIGMA DELTA TAU SORORITY BURSARY.—A bursary of $125 has been established by the Sigma Delta Tau Sorority which is awarded annually by the Student Aid Officer to a worthy female student without regard to religion who has completed her First, Second, or Third year in any faculty.

IMPERIAL ORDER DAUGHTERS OF THE EMPIRE, H.M.S. RENOWN CHAPTER BURSARY.—This bursary of $100, established by the H.M.S. Renown Chapter of the Imperial Order Daughters of the Empire, is open to a British subject of either sex, taking a full-time degree or diploma course in any faculty or school.

WOMEN'S UNION SCHOLARSHIP (see page 649).

MONTREAL BRANCH, CANADIAN WOMEN'S PRESS CLUB SCHOLARSHIP IN JOURNALISM.—This scholarship of $150 is open to women students in any faculty at McGill University, including Macdonald College, who are spending at least another year at the University. The qualifications are high academic standing and definite ability in writing. Preference will be given to students who intend to make journalism a career and have taken an active interest in student publications. It is restricted to Canadian citizens. Application should be made by letter to the Registrar on or before April 1st.

WOMEN ASSOCIATES OF MCGILL BURSARY. — A bursary of approximately $300 is available each year to men and women students in any faculty. Scholarship and need will determine the award. The winner will be chosen

by the Executive of the Women Associates of McGill from a list of candidates recommended by the Student Aid Officer and selected from the applicants for University bursaries.

MCGILL PHARMACY ALUMNI SOCIETY DR. WILLIAM H. HATCHER BURSARY.—This bursary of $100 has been established by the McGill Pharmacy Alumni Society in honour of Dr. William H. Hatcher. It is awarded by the Student Aid Officer and is open to deserving students irrespective of race, colour or creed. Preference is given to First or Second year B.A. or B.Sc. degree students who intend to study pharmacy after graduation and to students in the Department of Chemistry.

MCGILL NISEI CAMPUS CLUB BURSARY.—A bursary of $50 to $100 has been established by the McGill Nisei Campus Club and is awarded annually by the Student Aid Officer to a Canadian man or woman student of Japanese origin who has completed at least one year in any degree course. The award will be made on the basis of academic standing, character and leadership ability, and financial need. The bursary will be awarded only if an adequate standard is attained (at least a good Second Class standing) and if funds are available.

JOSEPH LAWRENCE CAPLAN MEMORIAL BURSARY.—This bursary of $200 is awarded by the Principal on the recommendation of the Student Aid Officer to a First year student in any faculty who may be thereby helped to obtain a university education.

MCGILL U.N.T.D. BURSARY.—This Bursary, endowed by the University Naval Training Division with an annual value of $40, is awarded by the Student Aid Officer on the recommendation of the responsible Naval authorities to the U.N.T.D. rating who is considered to be the most deserving applicant. If in any year there is no applicant of high enough quality, the award is withheld.

TEMPLE EMANU-EL SISTERHOOD BURSARY.—Established in 1946 in memory of the men who lost their lives in the war of 1939-45, this Bursary, with an annual value of $100, is open to men undergraduates in all faculties.

ROY M. WOLVIN MEMORIAL BURSARIES (see page 639).

STUART DUNN MEMORIAL SCHOLARSHIP—Founded by Major Charles Gwyllym Dunn of Quebec City in memory of his son, Sergeant (Wireless Air Gunner) Stuart Dunn, R.C.A.F., a student at McGill University who died on active service in July, 1941. The scholarship, value $125 per annum, is to be awarded annually to a male student of the Protestant Christian Faith whose home is outside the Island of Montreal. In making the award consideration is given to: (a) the candidate's scholarship, character, personality, and quality of leadership, (b) his need of financial assistance, and (c) the general usefulness to the community of the special branch of study he proposes to follow.

JOSEPH ALFRED JACOBSON MEMORIAL SCHOLARSHIP.—This scholarship, of $200, was established by the late Mr. Percy N. Jacobson and Mrs. Jacobson in memory of their son, Flight-Sergeant Joseph Alfred Jacobson, of the Royal Canadian Air Force, who was killed in action on the 28th January, 1942. The scholarship is open to men and women in any faculty on equal terms. It is given to a student selected by the Student Aid Officer on the grounds of his personality, academic strength, interest in university sports, and financial need.

CANADIAN ARMY UNIVERSITY COURSE MEMORIAL BURSARY.—This bursary has been established by the Canadian Army University Course Association of McGill University as a memorial to the three of their comrades, Richard F. Gyles, Robert J. Lockhart, and James C. Wheeler, who lost their lives in the World War, 1939-45. It is awarded by the Student Aid Officer on the recommendation of the Association and preference is given to members of the McGill Canadian Army University Course and to other men who volunteered for active service, and their children.

CHARLES MARTIN BURSARY FUND.—This fund was established in 1935 by a bequest from the late Mrs. Lillie F. Martin in accordance with the wishes of her late husband, Alfred W. Martin, in memory of his father, Charles Martin. The bursaries are awarded by the Student Aid Officer to students in any faculty on the basis of financial need.

STEEL COMPANY OF CANADA LIMITED BURSARY.—A bursary of $500 for a maximum of four years to any one student has been established by the Steel Company of Canada Limited and is open to permanent residents of Canada. The award is made by the Student Aid Officer to a capable student who might not otherwise go to University because of lack of funds. Should the student withdraw or perform below the standards set for him, the Bursary may be awarded to another student who has the same number of years to complete before graduation.

HUNGARIAN CANADIAN ENGINEERS' ASSOCIATION BURSARY.—A bursary of $200 for the first term and another $200 for the second term is offered by the Hungarian Canadian Engineers' Association and is awarded by the Student Aid Officer, subject to the approval of the Association. The two awards may go to the same student. The holder must be of Hungarian descent and show proof of academic accomplishment in Canada, i.e. at least one year successfully completed at a recognized university. In order to help perpetuate and, if possible, expand the bursary, it is hoped that each bursary holder will pay back the amount of his bursary to the Association after graduation when his earning power would permit him to do so. Preference is given to students in Engineering.

SYRIAN CANADIAN ASSOCIATION BURSARIES (see page 620).

SERAINE GROUP BURSARIES.—These bursaries were established in October 1956 by the Seraine Group to assist needy men students in any faculty.

ANONYMOUS DONATION FOR BURSARIES.—This bursary fund was established by an anonymous donor through the Graduates' Society in 1959. The bursaries are awarded by the Student Aid Officer to students entering the University or to undergraduates already enrolled of at least Second Class standing whose records show demonstrated qualities of leadership and character.

TRUCKING ASSOCIATION OF QUEBEC, INC. BURSARIES.—The Trucking Association of Quebec, Inc. has established a fund to provide bursaries for needy students in any faculty. The awards are made by the Student Aid Officer.

PRIZES

CHESTER MACNAGHTEN PRIZES.—Two prizes, one of $50 and the other of $30, are offered annually in a competition for the best piece of creative writing in English submitted by an undergraduate student of the University. The work submitted may be a story, a play, a poem, an essay, etc. The material should be carefully selected and properly presented. The judges will not read untidy manuscripts or a large number of newspaper clippings. Compositions that have appeared in print are not ineligible provided they have been published since 1st March, 1961. No candidate may submit more than two entries. Compositions must be typed and must reach the Registrar before the 1st March, 1962. Entries that win prizes or honourable mention will be retained by the University and filed in the Redpath Library. The competition is restricted to those students who have not previously won the First Prize. Awards are made by the University Scholarships Committee.

J. M. RUTHERFORD MEMORIAL PRIZE.—This prize of the value of $100 is awarded for some original work or study undertaken by an undergraduate student of the University, on his own initiative, preferably outside the regular work for his or her degree. Candidates may be nominated by any member of the University staff or may apply in writing directly to the Registrar, submitting evidence of their qualifications. The competition is restricted to those students who have not previously won the Prize. Entries or nominations should be received by the Registrar not later than April 1st. The award is made by the University Scholarships Committee.

NEWCOMEN AWARD (see page 645).

NEIL STEWART PRIZE.—An annual prize of $50 in the Hebrew Language and Literature established by Mr. Neil Stewart of Vankleek Hill in 1878, is open to students in the University and in the affiliated Theological Colleges. It is awarded on the results of an annual examination

open to students of the Faculty of Divinity of the University and of the Presbyterian College. The examination will be held in the third week in March on translation, grammar, and syntax (but not exegesis) of assigned passages of prose, prophecy, and poetry totalling about twenty-five chapters of the Hebrew Bible, together with Davidson's Hebrew grammar. Information concerning the biblical passages to be set for the examination each year may be obtained from the Registrar's Office, the Faculty of Divinity, or the Presbyterian College.

MCCHARLES PRIZE (see page 665).

SOCIETY OF CHEMICAL INDUSTRY PRIZES (see page 662).

LOAN FUNDS

Application for loans, unless otherwise stated should be made through Deans of Faculties or Directors of Schools.

UNIVERSITY LOAN FUND.—A Student Loan Fund has been established by the University to assist needy students in all Faculties. Loans are made normally only to students in upper years (see page 611), with good academic standing. Application should be made to the Student Aid Officer.

STUDENTS' SOCIETY LOAN FUND.—Established in 1956 by the Students' Society and open to students of all faculties in good academic standing without restriction as to race, nationality or creed. Primary consideration is financial need with secondary consideration given to the candidates' contributions to Students' Society activities. Application should be made to the Student Aid Officer.

UNIVERSITY LODGE LOAN FUND.—The University Lodge No. 84, Q.R., A.F. and A.M., has established a loan fund for Masons and the children of Masons in attendance at McGill University. Loans will not exceed the annual tuition fees. They are open to qualified students in all faculties and all years. Applications should be made to the Student Aid Officer. Need and academic merit will determine the awards.

ROTARY CLUB OF OTTAWA STUDENT LOAN FUND.—The Rotary Club of Ottawa has established a Student Loan Fund for Third and Fourth year students in any faculty who are residents of Carleton County, Ontario, and are attending universities throughout Canada. Annual loans will not exceed $250. Further information and application forms may be obtained from the Student Aid Officer.

ROYAL CANADIAN AIR FORCE BENEVOLENT FUND.—Students who served in the Royal Canadian Air Force are eligible for assistance from the R.C.A.F. Benevolent Fund. This Fund makes loans or outright gifts, depending on the special circumstances involved. For further particulars, students should apply to the Student Aid Officer.

MARTLET FOUNDATION LOAN FUND.—Established in 1954 by the Martlet Foundation for students with good academic standing and athletic ability who are in need of financial assistance. Applications should be made to the Director of Athletics, Physical Education and Recreation.

BERLINER STUDENT LOAN FUND.—Established in 1919 by the late Edgar M. Berliner to provide bursaries and student loans for students in the Department of Sociology and the School of Social Work. Applications should be made to the Director of the School of Social Work.

HERSCHORN LOAN FUND.—Established in 1951 by Mr. H. E. Herschorn for the purpose of making loans to students in the Third or subsequent year of any faculty who, because of lack of funds, would otherwise be unable to continue their studies. Applications should be made to the Student Counsellor.

HAROLD N. SEGALL LOAN FUND.—Established in 1957 by a donation from the Jerry Segalls to assist deserving students in any faculty without distinction as to sex, race or creed. Applications should be made to the Student Counsellor.

CANADIAN CLUB OF MONTREAL FIFTIETH ANNIVERSARY STUDENT AID FUND.—Established in November 1955 by the Canadian Club of Montreal to commemorate the Club's Fiftieth Anniversary. The purpose of this Fund is to foster patriotism by encouraging the study of the institutions, arts, literature, and resources of Canada, and the appreciation of matters of interest and concern to Canadians. Applications should be made to the Student Aid Officer.

J. K. PRATT MEMORIAL LOAN FUND.—Established in 1952 in memory of the late Janetta K. Pratt who was Cashier at McGill University from 1929 until her death in 1952. Open to students in all faculties.

MRS. M. DOROTHEA MILLAR LOAN FUND.—Established in 1956 by Mrs. M. Dorothea Millar to assist one or more students of either sex, graduate or undergraduate, to pursue studies or research at McGill. It is to be used, in the first instance, to assist Hungarian students while this need appears to be urgent. Applications should be made to the Student Aid Officer.

GREEK STUDENTS BURSARY AND LOAN FUND.—Established in 1952 by a group of Greek merchants to provide financial assistance for Greek students in attendance at McGill University. Applications should be made to the Student Aid Officer.

MCGILL SOCIETY OF ONTARIO LOAN FUND.—Established in 1936 by the McGill Society of Ontario for students in the Faculty of Arts and Science.

COMMERCIAL SOCIETY LOAN FUND.—For students in Commerce (see page 654).

MORTON J. WHITE LOAN FUND.—For students in the School of Commerce (see page 654).

GEORGE HENRY FROST FUND.—For students in Engineering (see page 666).

KELLOGG FOUNDATION LOAN FUND.—For students in Medicine, Dentistry, and the School for Graduate Nurses (see pages 673, 676 and 726).

BOSWELL JAMES LOAN FUND.—For students in Medicine (see page 673).

WESTON FAY VOLBERG JR. MEMORIAL LOAN FUND.—For students in Medicine (see page 673).

GERTRUDE MUDGE MEMORIAL STUDENT AID FUND.—For students in Medicine (see page 673).

GEORGE W. MERCK MEMORIAL LOAN FUND.—For internes and residents in McGill teaching hospitals (see page 706).

BENNETT EDUCATIONAL FUND.—For students in Engineering (see page 667).

WADDELL LOAN FUND.—For students in Engineering (see page 666).

ISABELLA MCLENNAN BURSARY AND LOAN FUND.—For students in Architecture (see page 667).

MONTREAL WOMEN'S AUXILIARY OF THE CANADIAN INSTITUTE OF MINING AND METALLURGY LOAN FUND.—For students in Engineering (see page 667).

CANADIAN INSTITUTE OF MINING AND METALLURGY MONTREAL BRANCH LOAN FUND.—For students in Engineering (see page 667).

WICKENDEN LOAN FUND.—For students in Engineering (see page 667).

SCIENCE '25 MEMORIAL LOAN FUND.—For undergraduate students in Engineering (see page 667).

PI BETA PHI LOAN FUND.—For students in Social Work (see page 728).

SOCIAL WORK ALUMNI LOAN FUND.—For students in Social Work (see page 728).

SOUTHAM STUDENT LOAN FUND.—For students in Social Work (see page 728).

GLADYS GLASSCO MEMORIAL LOAN FUND.—For students in Music (see page 681).

A. FLEMING LOAN FUND.—For students in Law (see page 679).

W. R. AIRD LOAN FUND.—For students in Dentistry (see page 676).

COLLEGE OF DENTAL SURGEONS OF QUEBEC LOAN FUND.—For students in Dentistry (see page 676).

GRADUATE STUDENTS' LOAN FUND.—For students in the Faculty of Graduate Studies and Research (see page 723).

MARGARET BIRKS MEMORIAL LOAN FUND.—For students in the Faculty of Graduate Studies and Research (see page 723).

MACDONALD COLLEGE STUDENTS LOAN FUND.—For students in Agriculture (see page 686).

STUDENT TEACHERS' SOCIETY LOAN FUND.—For students in the Institute of Education (see page 695).

ST. GEORGE'S LODGE NO. 10 A.F. & A.M. LOAN FUND.—For students in the Institute of Education (see page 695).

B. OPEN TO STUDENTS IN THE FACULTY OF ARTS AND SCIENCE

For details of Entrance Scholarships see page 612.

For scholarships open to women only see page 648.

For Scholarships, Bursaries, and Loan Funds open to undergraduates in all Faculties see page 624.

For details of awards restricted to students in the School of Commerce see page 651.

For awards open to Graduate Students see page 702.

GENERAL REGULATIONS IN ARTS AND SCIENCE

1. No applications are required. The awards are made by the Arts and Science Scholarships Committee on the basis of examination standings.

2. Unless restricted by the deed of gift or faculty regulations the awards are open to all students studying for the B.A., B.Sc., B.Com., B.Ed., or B.Ed.(P.E.) degrees.

3. Only students in regular undergraduate standing are eligible for scholarships.

4. Scholarships will be awarded only if an adequate standard is attained.

5. If in any college year there is not a sufficient number of candidates showing adequate merit, any one or more of the scholarships offered for competition may be given to more deserving candidates in another year.

6. In order to retain his scholarship a successful candidate must proceed regularly with his college course to the satisfaction of the Faculty.

7. The annual income of the scholarships will be paid in two instalments, viz.:—One in October and one in January.

SECOND YEAR SCHOLARSHIPS

GROUP I

FACULTY SCHOLARSHIPS.—Six scholarships of $100 each are offered to students advancing from the First to the Second year for proficiency in their subjects of study. The awards will be made on the basis of the students' complete academic records and on recommendations from the departments in which they have taken their courses.

GROUP II

The following scholarships are also offered, according to the terms indicated, to students advancing from the First to the Second year.

JANE REDPATH EXHIBITION.—Founded by the late Mrs. Redpath, for the maintenance of an exhibition in Arts and Science. It is restricted to men and is awarded on the result of the sessional examinations of the First year to the man who makes the highest average on the year's work. Value $100.

MARGARET JANE ALLAN SCHOLARSHIP.—This scholarship, of $200, was established in 1929 by a bequest to the Royal Victoria College from Mrs. Agnes W. Allan. It is awarded each year to the woman student in either the B.A. or the B.Sc. courses in Arts and Science who obtains the highest standing in the sessional examinations of the First year.

CHARLES ALEXANDER SCHOLARSHIP.—Established in 1870 by Charles Alexander, "for the encouragement of the study of Classics and other subjects." Value $100.

BARBARA SCOTT SCHOLARSHIP.—Founded by the will of the late Barbara Scott to form an annual scholarship for the student "excelling in Classics in the First Year." Value $100.

ALEXANDER ADILMAN SCHOLARSHIP.—Established in 1957 under the will of the late Alexander Adilman, this scholarship of $300 is awarded to a student of merit who has completed the First year in the Faculty of Arts and Science. This scholarship is offered for a period of five years only beginning with the 1957-58 session.

SCHOLARSHIPS TENABLE IN THE SECOND, THIRD, OR FOURTH YEARS

GROUP III

UNIVERSITY SCHOLARSHIPS.—(see page 624).

SIR WILLIAM MACDONALD SCHOLARSHIPS.—Six scholarships of $150 each are open to men students in the Second, Third, and Fourth years.

†SIR WILLIAM DAWSON SCHOLARSHIP.—Given by the New York Graduates' Society; value $60. Open also to students in Engineering.

PETERSON MEMORIAL SCHOLARSHIPS IN CLASSICS.—Founded in memory of Sir William Peterson, Principal of McGill University from 1895 to 1918, by his son, W. G. Peterson, M.A. Two scholarships of $250 each are open to students in any year.

DR. BARCLAY SCHOLARSHIP.—Awarded in the Classics Department, value $60.

REFORD SCHOLARSHIP.—The interest on this fund, amounting to about $200 per annum, will be equally divided each year and placed at the disposal of the Departments of English and Philosophy.

HARRY ROSENFELD MEMORIAL SCHOLARSHIP.—This scholarship of $200 for students in the Humanities was established in 1958 by a bequest under the will of the late Harry Rosenfeld. It is offered for a period of five years only beginning with the 1958-59 session.

HOUSTON SCHOLARSHIP.—Founded by the will of Thomas Houston, to establish a scholarship for French students studying for the ministry of the Presbyterian Church or the United Church of Canada. It is open only to undergraduates in the Faculty of Arts and Science and the Faculty of Divinity under the above restriction and is awarded by the University Scholarships Committee on the result of the sessional examinations without regard to year. The value is $125.

MAJOR HIRAM MILLS SCHOLARSHIP.—This scholarship, of the value of $50, is open to students in any of the biological sciences including Anatomy, Bacteriology, Biochemistry, Botany, Genetics, Physiology, and Zoology. It is open to both men and women.

†*Not to be awarded until further notice.*

PENHALLOW SCHOLARSHIP IN BOTANY.—This scholarship of $100 is open to men and women entering the Second, Third, or Fourth year of the undergraduate course. The award is made by the Faculty of Arts and Science on the recommendation of the Department of Botany.

LOGAN SCHOLARSHIPS.—Two scholarships of $100 each, one in the Department of Geological Sciences and the other in the Departments of Botany and Zoology, are open to men and women entering the Second, Third, or Fourth year of the undergraduate course. The awards are made by the Faculty of Arts and Science on the recommendation of the Department of Geological Sciences in the one case and on the joint recommendation of the Departments of Botany and Zoology in the other case.

R. P. D. GRAHAM SCHOLARSHIPS AND MEDALS.—Scholarships provided from the income on a fund endowed by former students of Dr. R. P. D. Graham, Professor Emeritus of Mineralogy, are available to students entering the Second, Third, or Fourth year of the B.Sc. course and to students entering the Third, Fourth, or Fifth year of the Mining Engineering course. The awards are made by the Scholarships Committee of the Faculty of Arts and Science on the recommendation of the Chairman of the Department of Geological Sciences. A bronze medal bearing a likeness of Professor Graham will be given to each student receiving one of these awards.

ROY M. WOLVIN MEMORIAL SCHOLARSHIPS AND BURSARIES.—Two scholarships of $375 each are given by Mrs. Roy M. Wolvin in memory of her husband. One scholarship is restricted to men undergraduates in the Faculty of Engineering and one is restricted to women undergraduates in the Faculty of Arts and Science. These two awards are made by the Faculty Scholarships Committees on the basis of the results of the sessional examinations. The bursaries are open to students in any undergraduate faculty who have a good academic record and need financial assistance. Application should be made to the Student Aid Officer.

A. S. LAMB SCHOLARSHIPS (see page 692)

CANADIAN TITANIUM PIGMENTS LIMITED BURSARIES.—These bursaries are open to students in any year of the Faculty of Engineering or the Science course of the Faculty of Arts and Science and are awarded by the Student Aid Officer on the basis of academic merit and financial need.

MCGILL ALUMNAE SCHOLARSHIPS (see page 649).

MAURICE GOLDENBERG MEMORIAL SCHOLARSHIP.—This scholarship of $100 in Government, Constitutional Law, or Public Administration has been established by Mr. H. Carl Goldenberg in memory of his father, the

late Maurice Goldenberg. It is awarded annually by the University Scholarships Committee to the best candidate amongst those nominated by the Faculty of Arts and Science and the Faculty of Law. The scholarship is open to both men and women with no restriction as to race, creed, or colour.

NORTHERN ELECTRIC AWARDS.—The Northern Electric Company has established two awards to assist deserving students to obtain a university education in Electrical Engineering, Mechanical Engineering, Engineering Physics, Honours Mathematics and Physics, or Honours Physics, and one award in Commerce. Each award will have a maximum value of $500 per year. The awards are made by the Scholarships Committees of the Faculty of Arts and Science and the Faculty of Engineering on the basis of academic record with a minimum average of 75 or its equivalent in the previous academic year as a prerequisite. The awards are open to Canadian citizens or landed immigrants who have successfully completed at least one year at the University and are tenable in any year of the undergraduate course except the first year. Each award may be renewed for a subsequent year.

ALUMINUM COMPANY OF CANADA LIMITED SCHOLARSHIPS (see page 657).

WILLIAM HENRY HOWARD SCHOLARSHIPS (see page 657).

GEORGE HERRICK DUGGAN MEMORIAL SCHOLARSHIPS (see page 617).

PRESBYTERIAN COLLEGE SCHOLARSHIPS.—The Board of Management of the Presbyterian College offers a number of scholarships for the payment of fees of undergraduates in Arts and Science who are registered at the Presbyterian College as in training for the study of theology with a view to the Ministry and who have creditably passed the sessional examinations.

ARTS AND SCIENCE UNDERGRADUATES' SOCIETY BURSARIES.—Four bursaries of $150 each have been established by the Arts and Science Undergraduates' Society and are awarded annually by the Student Aid Officer in consultation with members of the Society to regular members of the Society in any year. The award will be made on the basis of financial need, academic standing, and contribution to the life of the University. The holder must have obtained at least Second Class standing in the year previous to that for which the award is made.

THIRD YEAR SCHOLARSHIPS

GROUP IV

FACULTY SCHOLARSHIPS.—Eight scholarships of $100 each are offered to students advancing from the Second to the Third year in both the General Course and the Honours Courses, on the basis of academic record and recommendations from departments.

GROUP V

The following scholarships are also offered, according to the terms indicated, to students advancing from the Second to the Third year.

ROBERT BRUCE SCHOLARSHIP.—From a fund, created by the will of the late Robert Bruce, of Quebec City, one scholarship of the annual value of $75, tenable for two years, will be awarded for high standing in the examinations at the end of the Second year.

ALEXANDER MACKENZIE SCHOLARSHIP.—One scholarship of the value of $250 is awarded annually on the results of the honours examinations of the Second year in Political Science and is open only to a student who has completed the work of that year. Tenure of the scholarship is conditional upon the holder's taking the honours work in Political Science of the Third year (see also Group VI).

HANNAH WILLARD LYMAN MEMORIAL SCHOLARSHIP.—This scholarship of $100 is awarded annually to a woman student of the Third or Fourth year.

DELTA PHI EPSILON SORORITY BURSARY.—This bursary, founded by the Delta Phi Epsilon Sorority in memory of Edith Silver, is of the value of $100 and is open to a deserving woman student entering the Third year of the Faculty. It is awarded by the Student Aid Officer.

KNIGHTS OF PYTHIAS SCHOLARSHIP.—This scholarship, of $300, is awarded annually to a student in the Social Sciences. It is open on equal terms to men and women. The winner must be a resident of the Island of Montreal, and entering the Third year of the B.A. course. The award may be renewed for a further year if the holder proves to be worthy of such recognition.

DOW-HICKSON SCHOLARSHIPS.—These scholarships were established in 1957 by a bequest from the late Dr. J. William A. Hickson and are awarded to students in the Third or Fourth year who are reading Honours in English Literature, Philosophy, or Psychology. The annual value of these scholarships is not less than $1,000 each.

MONTREAL ANGLERS AND HUNTERS INC. BURSARY.—(See page 644.)

For other Third year scholarships see also Group III.

FOURTH YEAR SCHOLARSHIPS

GROUP VI

GREENBLATT SCHOLARSHIP.—From the funds left under the will of the late Mrs. Greenblatt, one scholarship of $175 shall be awarded annually in the Faculty of Arts and Science to a student proceeding from the Third to the Fourth year, preference to be given to a student in Modern Languages (other than English) or in History. A committee selected from the Departments of History, German, and Romance Languages will be asked to make a recommendation for this award.

ALEXANDER MACKENZIE SCHOLARSHIP.—One scholarship of the value $250, is awarded annually on the results of the Honours examinations of the Third year in Political Science and is open only to a student who has completed the work of that year. Tenure of the scholarship is conditional upon the holder's taking the Honours work in Political Science of the Fourth year (see also Group V).

PRINCE OF WALES SCHOLARSHIP.—This scholarship of $200 is open annually to students proceeding from the Third into the Fourth year. The award is made for general distinction by the Faculty of Arts and Science on the basis of the students' complete academic records and on the recommendations from the departments in which they have taken their courses.

ANGUS MCCOY SMITH SCHOLARSHIP.—This scholarship of $150, founded by Mr. and Mrs. Allan L. Smith in memory of their son, Angus McCoy Smith, a graduate of the University, who was killed in the Second World War, is awarded annually to a Protestant male student of the Faculty of Arts and Science who is entering the Fourth year. The award is based on academic record, character, financial need, and general promise.

JAMES DARLING MCCALL SCHOLARSHIP.—This scholarship was founded by J. T. McCall, Esq., in memory of his son, James D. McCall, B.Sc., who was drowned shortly after the war of 1914-18, in which he served with distinction. This scholarship is awarded each year to a male student of the Fourth year professing the Christian religion, who is taking Honours in English or in Philosophy or in both these subjects. It is of the value of $300.

SHAKESPEARE SCHOLARSHIP.—This scholarship, of the value of $100, is awarded annually to a student advancing to the Fourth year who has shown special distinction in English Honours courses. The award is made by the Faculty of Arts and Science on the recommendation of the Department of English.

CHARLES WILLIAM SNYDER MEMORIAL SCHOLARSHIPS.—Two scholarships of $200 each, founded by the late L. P. Snyder, Esq., in memory of his son, Charles William Snyder, a student of First year Arts who was killed in the Battle of Sanctuary Wood on June 2nd, 1916, are awarded annually on the results of the sessional examinations. One scholarship will be awarded on the recommendation of the Department of English to a student entering the Fourth year and taking full Honours in English and the other will be awarded to a student entering the Fourth year and taking Honours in English and another subject. This second award will be made on the recommendation of the Department of English and the other Department concerned in the student's combined Honours programme. These scholarships are open to male students in the Faculty of Arts and Science professing the Christian religion.

DOW-HICKSON SCHOLARSHIPS (see page 641).

CANADIAN ASSOCIATION OF TEXTILE COLOURISTS AND CHEMISTS (QUEBEC SECTION) SCHOLARSHIP.—A scholarship of $300 awarded to the student entering the Fourth year who has obtained the highest aggregate standing in the Third year Honours Chemistry course. The award is made by the Scholarships Committee of the Faculty of Arts and Science upon the recommendation of the Department of Chemistry without restriction as to colour, race, sex or creed, or any consideration given to financial need.

ANNE MOLSON SCHOLARSHIP.—This scholarship of $125 is open only to men and women students in the Physical Sciences proceeding from the Third into the Fourth year. The award is made by the Faculty of Arts and Science on the recommendation of the Departments of Physics, Chemistry, and Mathematics.

MOBIL OIL OF CANADA, LTD. SCHOLARSHIP IN GEOPHYSICS.—This scholarship of $400 in Geophysics or Geology in conjunction with Physics is open to students entering the final year of the Faculty of Arts and Science. It is awarded by the Scholarships Committee of the Faculty of Arts and Science upon the recommendation of the Chairman of the Department of Geological Sciences on the basis of good character, academic standing, ability to cooperate with associates, breadth of interest, initiative, and willingness to assume responsibility.

CALIFORNIA STANDARD COMPANY GEOLOGICAL SCHOLARSHIP.—This scholarship of $400 is awarded annually by the Scholarships Committee of the Faculty of Arts and Science to an outstanding student as an aid to completion of his final year in Geology or Geology and Physics. Preference is given to students showing interest in oil exploration and production.

ALLIED CHEMICAL CANADA SCHOLARSHIP.—This scholarship is awarded by the University Scholarships Committee to an outstanding student entering the final year of either the Honours Chemistry course or the Chemical Engineering course who is a citizen of Canada or the United States and interested in pursuing a career in Chemistry or Chemical Engineering. Intellectual capabilities, scientific ability, breadth of interest, and leadership qualities will be the basis of selection. The award will cover the cost of tuition fees plus an additional allowance of $250.

ROYAL CANADIAN INSTITUTE SCHOLARSHIP.—An undergraduate scholarship of $500 is offered annually by the Royal Canadian Institute. It is intended as an aid in the discovery and development of the young men and women who will become the future workers in science. The scholarship is open to men and women on equal terms and is tenable at any Canadian

University at which the candidate is enrolled. Applications will be considered from students in their Third undergraduate year who are enrolled in one of the following courses: Botany, Zoology, Chemistry, Physics, or Geological Sciences. The holder of the award must be qualified to enrol in the final year of his course of studies at the university in which he is enrolled at the time of application. A candidate must not have passed the twenty-first anniversary of his birth on March 31st of the year of application. Application forms may be obtained from the Royal Canadian Institute, 191 College Street, Toronto 2B, Ontario, and must be submitted to the Institute by March 15th of the year of the award.

MONTREAL ANGLERS AND HUNTERS INC. BURSARY.—An annual bursary of $300 is open to Third or Fourth year students in Biology at McGill or at the University of Montreal who intend to make a career of wildlife conservation. Candidates must be from the Montreal area and interested in the conservation of fish and game resources in the province of Quebec. Application forms may be obtained from the Department of Zoology, Biological Building, McGill University, and must be submitted by December 1st to Dr. Gustave Prevost, Chairman of the Bursary Committee, Quebec Biological Bureau, P.O. Box 6128, Montreal 3.

For other Fourth year scholarships see Group III and Group V.

MEDALS IN ARTS AND SCIENCE

The following medals are awarded to the graduating students who stand highest in the First Class Honours List of the subjects named, provided the Faculty so recommends to Senate:

The Henry Chapman Gold Medal, for Classical Languages and Literature.

The Prince of Wales Gold Medal, for Mental and Moral Philosophy.

The Anne Molson Gold Medal, for Mathematics and Natural Philosophy.

The Shakespeare Gold Medal, for English Language and Literature.

The Logan Gold Medal, for Geology, Mineralogy, and Palaeontology.

The Major Hiram Mills Gold Medal, for Biology.

The Horace Watson Gold Medal, for Physics, awarded to the student graduating with the highest First Class standing in the four-year Honours Physics course.

The Governor-General's Gold Medal, for Modern Languages and Literature.

The Governor-General's Silver Medal awarded to the student standing highest among those graduating "with great distinction" in the general course.

The Lieutenant-Governor's Gold Medal awarded to the student who stands second among those graduating "with great distinction" in the general course.

The Lieutenant-Governor's Gold Medal awarded to the student standing highest among those graduating with great distinction in the B.Ed. course.

The Allen Oliver Gold Medal, for Economics and Political Science (founded by Mrs. Frank Oliver, in memory of her son, the late Allen Oliver, B.A., M.C., Lieutenant, 26th Battery, C.F.A., who was killed in action at the Somme, on November 18th, 1916).

The Lieutenant-Governor's Gold Medal, for History.

The French Government's Bronze Medal for excellence in French in the general or Honours course.

In addition to the above, certain medals are offered annually by the Alliance Française, at the discretion of the Department of Romance Languages.

If there is no candidate for any medal, or if none of the candidates fulfils the required conditions, the medal is withheld, and the proceeds of its endowment for the year may be devoted to prizes in the subject for which it was intended.

PRIZES IN ARTS AND SCIENCE

ANNIE MACINTOSH PRIZE.—The endowment of this prize was contributed by friends and pupils of the late Miss Annie Macintosh and by a special gift of the late Miss I. G. Macintosh. The present value of the prize is $60. It is offered as a prize or prizes to students of the Royal Victoria College in such subject or for such work as the Faculty may determine.

PENHALLOW PRIZE IN BOTANY.—An annual prize of $25, endowed by the Arts Undergraduate Society in 1911, is awarded to the graduating student whose complete record shows the highest first class standing in Botany. At least 4 full courses in the subject must have been taken, and Honours students will receive preference.

HENRY CHAPMAN PRIZE.—A book prize of the value of $25 is given in modern languages (excluding English), or in Hebrew.

CHESTER MACNAGHTEN PRIZES (see page 632).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 632).

NEWCOMEN AWARD.—The Newcomen Society in North America offers a prize of $100 known as the Newcomen Award to be awarded to the student at McGill University who submits an outstanding paper on some

facet of Industrial History. Entries must be submitted to the Chairman of the Department of Economics and Political Science on or before April 1st.

CHERRY PRIZES.—Two prizes in books of $50 and $30 each, founded by Wilbur H. Cherry, Arts 1907, and Anna Cherry, Arts 1918, in memory of their father, William Cherry, Med. 1869, and of their brother, William McFie Cherry, Arts 1911, are awarded annually by the Department of Economics and Political Science to students who are, in the opinion of the Department, deserving of such recognition.

PETERSON MEMORIAL PRIZE IN LITERATURE.—This prize, value $50, founded by W. G. Peterson, M.A., in memory of his father, Sir William Peterson, Principal of McGill University from 1895-1918, is awarded to the undergraduate, or graduate, student who in addition to having achieved distinction in English Literature has given evidence of creative literary ability.

DORA FORSYTH PRIZE.—An annual prize of $50 bequeathed by the late Miss Jeanie Forsyth for English Literature. This prize is open to women students only and is awarded to a candidate recommended by the Department of English and approved by the Faculty of Arts and Science.

FANTHAM MEMORIAL PRIZE IN ZOOLOGY.—This prize of $50, endowed by Dr. Annie Fantham in memory of her husband, Professor H. B. Fantham, late Strathcona Professor of Zoology and Head of the Department, is awarded annually to the graduating student who has taken the full honours course in Zoology and who ranks highest of those obtaining first class honours in this subject. The prize is open to men and women.

MADELENE HODGSON PRIZE IN HISTORY.—An annual prize of $20 endowed by the Imperial Order Daughters of the Empire in recognition of the work done by the late Mrs. W. C. Hodgson as President of the Provincial Chapter of Quebec. The prize is awarded to the Third year Honours student in History who in the opinion of the Department of History has done the most outstanding work in this subject.

HISTORICAL SOCIETY'S PRIZE.—This prize is endowed by a fund belonging to the Historical Society. The award is made jointly by the Executive of the Historical Society and the Chairman of the Department of History to the male undergraduate in the First year who has shown the greatest promise in History and intends to read for Honours in this subject, and is awarded in books.

E. R. ADAIR HISTORY PRIZE.—This prize of $25 in books has been established by the Montreal Historical Association and is awarded to the student achieving the highest standing in History in the First year.

ANNE MOLSON PRIZE IN CHEMISTRY.—A prize of $100 awarded annually to the student with the highest record among those graduating with First Class Honours in Chemistry.

SOCIETY OF CHEMICAL INDUSTRY MERIT AWARDS.—The Society of Chemical Industry has established three Merit Awards consisting of a gold key and a year's subscription to "Chemistry and Industry" to be awarded to the three graduating students who achieve the best results in the three following courses: (a) the B.Sc. course with Honours in Chemistry, or joint Honours in Chemistry and some related science; (b) the B.Eng. course in Chemical Engineering; (c) the Honours course in Biochemistry. The awards are made by the Scholarships Committees of the Faculty of Arts and Science and the Faculty of Engineering on the recommendations of the Chairmen of the Departments concerned.

DR. WILLIAM H. HATCHER PRIZE.—A prize of $25 has been established by the Department of Chemistry and is awarded annually to the student attaining highest standing in the course in Elementary Organic Chemistry in which Dr. Hatcher lectured for so many years.

LOGAN PRIZES IN BOTANY AND ZOOLOGY.—A sum of $50 is awarded annually as a prize or prizes in the Department of Botany and Zoology for original summer collections. Candidates should consult these Departments concerning the collections to be made.

ENCYCLOPAEDIA BRITANNICA GREAT BOOKS OF THE WESTERN WORLD PRIZES.—Two prizes consisting of two sets of Great Books of the Western World are offered annually by Encyclopaedia Britannica of Canada Limited as achievement awards for students graduating in Science and Engineering with the best record of scholastic achievement in "the other areas which are generally recognized as comprising a liberal education". The prizes are awarded by the Scholarships Committees of the Faculty of Arts and Science and the Faculty of Engineering on the basis of scholastic standing and demonstrated interest in subjects other than the regular fields.

PRIZE OF THE AMBASSADOR OF SWITZERLAND IN CANADA FOR FRENCH.—A prize in books for excellence in the Third year in French Language and Literature.

PRIZE OF THE AMBASSADOR OF SWITZERLAND IN CANADA FOR GERMAN.—A prize in books for excellence in German is awarded by the Faculty of Arts and Science on the recommendation of the Department of German to an undergraduate student whose mother tongue is not German.

PRIZE OF THE AMBASSADOR OF SWITZERLAND IN CANADA FOR ITALIAN.—A prize in books for excellence in Italian.

GERMAN EMBASSY PRIZE.—A prize in books for excellence in German.

MARION MCCALL DALY PRIZE.—A prize of $250 awarded each year to a woman student who has completed the Second year and is entering the Third year of the Faculty of Arts and Science or the Faculty of Engineering (including Architecture) at the University. The award is made by the University Scholarships Committee in consultation with the President of the McGill Women's Union and another senior woman student chosen by the Committee. In making the award the Committee takes into account (a) the candidate's promise of making a definite contribution to Canadian life, (b) the financial need of the candidate, and (c) the academic record of the candidate.

WOMEN'S PERSONNEL GROUP OF MONTREAL BOOK PRIZE.—A book prize of $20 is awarded to the woman student in the Faculty of Arts and Science obtaining the highest First Class standing in the Third year course in Industrial Relations.

BORIS MUSKATOV PRIZE IN PSYCHOLOGY.—An annual prize of $20 in books has been endowed by Miss Serafima Muskatov in memory of her brother, Boris Muskatov, who died on January 9th, 1948, while a student-veteran at Dawson College. This prize is offered to a student who has completed the Third year in the Faculty of Arts and Science and has done the best work in the subject of Psychology. The award is made by the Faculty of Arts and Science on the recommendation of the Department of Psychology after the Third year examination results are known.

PROVINCE OF QUEBEC PSYCHOLOGICAL ASSOCIATION PRIZE.—A prize of $10 offered annually by the Association to a student in the final year. It is awarded on the recommendation of the Department of Psychology to the student who has, in their opinion, done the most distinguished work in Psychology throughout the course.

SOCIETY OF CHEMICAL INDUSTRY PRIZES.—See page 662.

LOAN FUNDS.—See page 633.

For awards open to graduates see page 702.

C. OPEN TO ROYAL VICTORIA COLLEGE STUDENTS

ENTRANCE SCHOLARSHIPS.—See pages 612 to 624.

MARGARET WILSON SCHOLARSHIPS.—See page 615.

SEBA ABBOTT SMITH MEMORIAL SCHOLARSHIP.—See page 617.

GRACE FAIRLEY TRAFALGAR SCHOLARSHIP.—See page 621.

ADDITIONAL SCHOLARSHIPS AND BURSARIES

For a statement of the scholarships, bursaries, and loan funds also open to women students of the University, see pages 624-648.

WOMEN'S UNION SCHOLARSHIP.—This scholarship of the value of $275 to $350 is awarded annually by the Student Aid Officer in consultation with the President of the McGill Women's Union, another senior woman, and the Warden of the Royal Victoria College, to a woman undergraduate in any degree course, who has completed at least a year's study on this campus. The award is made to a student with a good second class average, an interest in extra-curricular activities, and financial need. No distinction is made as to nationality, race or creed.

ALPHA OMICRON PI BURSARY.—A Bursary of $50 is given by the Alpha Omicron Pi Mothers' Club for a woman student, resident in Royal Victoria College or non-resident. The award is made on the recommendation of the Warden of the Royal Victoria College to a candidate with good academic standing and financial need.

ROY M. WOLVIN MEMORIAL SCHOLARSHIPS AND BURSARIES (see page 639).

FROTHINGHAM BURSARIES (see page 629).

DELTA PHI EPSILON SORORITY BURSARY (see page 641).

SIGMA DELTA TAU SORORITY BURSARY (see page 629).

MONTREAL BRANCH, CANADIAN WOMEN'S PRESS CLUB SCHOLARSHIP (see page 629).

SPECIAL AWARDS ADMINISTERED BY A COMMITTEE OF THE ALUMNAE SOCIETY

MCGILL ALUMNAE SCHOLARSHIPS

The following scholarships have been established by the McGill Alumnae Society and are awarded annually by the Faculty of Arts and Science on the results of the sessional examinations to distinguished women students of the Second, Third, or Fourth year of the Faculty of Arts and Science:

ETHEL HURBLATT SCHOLARSHIP.—Established in memory of the late Miss Ethel Hurlbatt, a former Warden of the Royal Victoria College.

SUSAN CAMERON VAUGHAN SCHOLARSHIP.—Established in honour of Mrs. Walter Vaughan, retired Warden of the Royal Victoria College.

CARRIE DERICK SCHOLARSHIP.—Established in honour of the late Professor Carrie M. Derick, B.A. 1890, M.A. 1890, first woman professor at McGill.

GEORGINA HUNTER SCHOLARSHIP.—Established in memory of the late Georgina Hunter, a member of the first graduating class of women at McGill University, the first President of the Alumnae Society, and a former Principal of the High School for Girls, Montreal.

CATHERINE I. MACKENZIE SCHOLARSHIP.—Established in memory of the late Miss Catherine I. Mackenzie, B.A. 1904, former Principal of the High School for Girls, Montreal.

HELEN R. Y. REID SCHOLARSHIP.—Made possible by a legacy from the estate of the late Dr. Helen R. Y. Reid, B.A. 1889, LL.D. 1921, and awarded by the University Scholarships Committee to a distinguished woman student in faculties other than Arts and Science.

Each scholarship has a maximum value of $400 and a minimum value of $100.

The winners are interviewed by the Alumnae Scholarship Committee and the value of each award will be determined by them. Financial need will in no case affect the decision as to the winner of a scholarship but will influence the amount of the award.

ALUMNAE SOCIETY BURSARIES—In addition to the above, a limited number of bursaries are offered by the Alumnae Society through its Scholarship Committee.

GLADYS MURRAY BURSARY.—Established by the Alumnae Society in memory of the late Mrs. Gladys Murray, for thirty-five years Secretary to the Warden of the Royal Victoria College.

OTHER LOAN FUNDS.—(see page 633).

GENERAL PRIZES

MARION McCALL DALY PRIZE.—A prize of $250 awarded each year to a woman student who has completed the Second year and is entering the Third year of the Faculty of Arts and Science or the Faculty of Engineering (including Architecture) at the University. The award is made by the University Scholarships Committee in consultation with the President of the McGill Women's Union and another senior woman student chosen by the Committee. In making the award the Committee takes into account (a) the candidate's promise of making a definite contribution to Canadian life, (b) the financial need of the candidate, and (c) the academic record of the candidate.

EDMUND HENRY BOTTERELL PRIZE.—This prize of $160 was established by a legacy from the late Mrs. Florence A. Redpath. Under the terms of endowment, it is to be known as the "Edmund Henry Botterell Prize"

and is to be awarded on the recommendation of the Warden to a First year student registered in the Royal Victoria College. For the present the award will be made to a student whose academic interests and record combined with personal qualities indicate marked promise.

PRIZES IN ARTS AND SCIENCE

ANNIE MACINTOSH PRIZE.—The endowment of this prize was contributed by friends and pupils of the late Miss Annie Macintosh and by a special gift of the late Miss I. G. Macintosh. The present value of the prize is $60. It is offered as a prize or prizes to students of the Royal Victoria College in such subject or for such work as the Faculty may determine.

DORA FORSYTH PRIZE.—An annual prize of $50 bequeathed by the late Miss Jeanie Forsyth for English Literature. This prize is open to women students only and is awarded to a candidate recommended by the Department of English and approved by the Faculty of Arts and Science.

WOMEN'S PERSONNEL GROUP OF MONTREAL BOOK PRIZE (see page 648).

See also list of prizes in Arts, Science, Commerce, Architecture, and in all Faculties.

D. OPEN TO STUDENTS IN THE SCHOOL OF COMMERCE

For details of Entrance Scholarships see page 612.

For scholarships and bursaries open to undergraduates in all Faculties, see page 624.

SCHOLARSHIPS, BURSARIES, AND PRIZES

PRICE WATERHOUSE & CO. SCHOLARSHIP.—A scholarship of $250, the gift of Price Waterhouse & Co., is awarded annually by a committee consisting of the Principal and Vice-Chancellor, the Director of the School of Commerce, and the Professor of Accounting, to a student in the School of Commerce who is completing his Third year and is proceeding to his final year and plans to continue his studies with a practising firm of chartered accountants. The award will be made to a student with high standing in the Third year examinations whose academic record, ability, and other qualifications are considered to be outstanding. Commerce students in the Third year who wish to be considered should make application to the Director of the School not later than April 15th.

ISAAC BRUCK MEMORIAL SCHOLARSHIPS.—The Bruck Silk Mills presents $500 annually to the University to provide two scholarships in the School of

Commerce. The scholarships may be held by the students in the Second, Third, or Fourth year of the School, and are awarded annually without respect to race or sex by the Scholarships Committee of the Faculty of Arts and Science upon the results of the sessional examinations of the School.

LADDIE MILLEN MEMORIAL SCHOLARSHIP.—A scholarship to the value of $250 has been established by Mr. J. Ernest Millen in memory of his son, Laddie Millen, who was killed in action in the first World War. This prize of $250 will be awarded to the student in any year in Commerce who presents the most satisfactory essay on a topic in the field of Industrial Relations. The topic for the annual competition may be ascertained from the Director of the School of Commerce or the Director of the Industrial Relations Centre to whom essays must be submitted on or before April 1st.

NORTHERN ELECTRIC AWARDS (see page 640).

CHARLES S. C. WISDOM BURSARY.—This bursary of $100 was established in 1956 by Mrs. Stuart Albert Wisdom in memory of her late son, Charles S. C. Wisdom who was a graduate of the Royal Military College at Kingston, and of the School of Commerce, McGill University. It is awarded by the Student Aid Officer in consultation with the Director of the School of Commerce to a deserving student in any of the last three years of the Commerce course. Application should be made to the Student Aid Officer.

SYDNEY S. PAPPELBAUM BURSARY.—A bursary of $100 in memory of the late Captain Sydney S. Pappelbaum, B.Com., 1952, is open to students in Commerce who have completed Second year and are entering Third year, with no restriction as to race, creed, or colour. Students who wish to be considered should make application to the Student Aid Officer.

BESSIE PARSONS BENTLEY STUDENT AID FUND.—This fund was established in August, 1959, by Mr. William Bentley in memory of the late Mrs. Bessie Parsons Bentley, to be used for scholarships or student aid for students in the School of Commerce. The awards are made by the Student Aid Officer, with the approval of the Director of the School of Commerce, to students whose general standing entitles them to special consideration and assistance.

MONTREAL STOCK EXCHANGE AND CANADIAN STOCK EXCHANGE PRIZE IN ECONOMICS AND FINANCE.—This prize of $100 is offered for an essay written by a student in the final year of the School of Commerce who is enrolled in the Corporation Finance course. The subject of the essay is chosen annually by the Department of Economics in consultation with the

Director of the School of Commerce. An award will only be made if the best essay is considered to be First Class. Final selection will be made by a committee consisting of the course lecturer, the Chairman of the Department of Economics, and the Director of the School of Commerce. Further information may be obtained from the course lecturer.

F. W. SHARP PRIZE IN ACCOUNTANCY AND MATHEMATICS.—This prize of $50 will be awarded at the end of the Fourth year to the best student in Accountancy, Business Organization, and Mathematics.

CLARKSON, GORDON & CO. PRIZE.—A prize of $100 to be awarded at the end of the Fourth year to the student who obtains the highest standing in Accounting and Auditing.

JOSEPH H. JACOBS PRIZE.—The sum of $650 was received from the executors of the estate of the late Joseph H. Jacobs. The annual revenue from this bequest, which is approximately $25, will be awarded as a prize for Second year Accountancy.

PROFESSOR R. R. THOMPSON MEMORIAL PRIZE.—Established in honour of the late Professor R. R. Thompson by the Class of Commerce 1925, this Prize of $50 is awarded annually to the First year student in Commerce with the highest standing in Accountancy. It is awarded by the Scholarships Committee of the Faculty of Arts and Science on the recommendation of the Director of the School of Commerce.

CHESTER MACNAGHTEN PRIZES (see page 632).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 632).

MEDALS

SIR EDWARD BEATTY MEMORIAL MEDAL.—A gold medal endowed by the late Sir Edward Beatty, former Chancellor of the University, is awarded to the student in the School of Commerce who attains the highest distinction in Economics. At present, it is awarded on the basis of the aggregate marks for the three full year courses, Principles of Economics (or Honours alternatives), Money and Banking, and Economic Analysis (or Honours alternatives).

LIEUTENANT-GOVERNOR'S MEDALS.—A gold medal and a silver medal have been offered to the School of Commerce by His Honour the Lieutenant-Governor of the Province of Quebec, the gold medal for the student with the highest average throughout the last three years of study; the silver medal for the one who has the second highest average throughout the last three years of study.

LOAN FUNDS

COMMERCIAL SOCIETY LOAN FUND.—A fund has been established by the Commercial Society to be known as "The Commercial Society Loan Fund," for the purpose of aiding each year one or more students of the School of Commerce who are entering their Fourth year, to complete their course. Loans from this Fund are repayable within two years after graduation. Application should be made to the Student Aid Officer.

MORTON J. WHITE LOAN FUND.—Established in 1957 by a bequest from the late Morton J. White, to assist deserving students of the School of Commerce. Applications should be made to the Student Aid Officer.

OTHER LOAN FUNDS (see page 633).

E. OPEN TO STUDENTS IN THE FACULTY OF ENGINEERING
(Including Architecture)

For scholarships and bursaries open to undergraduates in all Faculties see page 624.

GENERAL REGULATIONS IN ENGINEERING

1. Only students in regular undergraduate standing are eligible for scholarships.

2. Scholarships will be awarded only if an adequate standard is attained.

ENTRANCE SCHOLARSHIPS

WORKMAN STUDENTSHIP.—The University accepts one nomination each year for a full course in Mechanical Engineering from the executors of the estate of the late Thomas Workman, provided the student nominated

(1) is a resident of Quebec,

(2) has obtained in the examinations qualifying for admission to the University the standard required by the Scholarships Committee for University Scholarships or Bursaries.

For other entrance scholarships see pages 612 and 624.

SCHOLARSHIPS AND BURSARIES

UNIVERSITY SCHOLARSHIPS (see page 624).

ROY M. WOLVIN MEMORIAL SCHOLARSHIPS AND BURSARIES.—Two scholarships of $375 each and a number of bursaries are given by Mrs. Roy M. Wolvin in memory of her husband. One scholarship is restricted to men undergraduates in the Faculty of Engineering and one is restricted to women

undergraduates in the Faculty of Arts and Science. These two awards are made by the Faculty Scholarships Committees on the basis of the results of the sessional examinations. The bursaries are open to students in any undergraduate faculty who have a good academic record and need financial assistance. Application for the bursaries must be made to the Student Aid Office.

CANADIAN PITTSBURGH INDUSTRIES SCHOLARSHIP.—This scholarship of $250 is awarded to a student in the Fifth year of the School of Architecture who has submitted the best solution of a design problem in which glass is a major item. The judges are a committee of the staff of the School of Architecture or practising architects.

†SIR WILLIAM DAWSON SCHOLARSHIP.—A Sir William Dawson Scholarship, given by the New York Graduates' Society; value $60; open also to students in Arts and Science (see page 638).

ANGLIN BURSARY.—This bursary of $250 was established by the late Mrs. Anglin in memory of her husband, the late Mr. J. P. Anglin, B.Sc., 1906 Applications should be made to the Dean of the Faculty.

HON. ROBERT JONES BURSARY.—This bursary of $120 per annum, is granted "from time to time to some needy student for the full term of study in the Faculty of Arts and Science or Engineering." The bursary is continued until the holder graduates if his academic standing is entirely satisfactory. Applications should be made to the Dean of the Faculty.

BURSARY OF THE CORPORATION OF PROFESSIONAL ENGINEERS.—The Corporation of Professional Engineers presents annually a bursary of the value of $200, tenable by a student in the Fourth or Fifth year of the Faculty of Engineering, and awarded by the Faculty.

BAYLIS SCHOLARSHIP.—Founded in memory of Mr. and Mrs. James Baylis, of Montreal, and having an annual value of $100, this scholarship is awarded to some student entering the Third year who is in need of financial assistance. The scholarship will be continued during the Fourth and Fifth years, if the standing of the student continues to be satisfactory. Application should be made through the Dean of the Faculty.

DOUGLAS TUTORIAL BURSARIES.—The late Dr. James Douglas, who was a member of the Board of Governors, provided for ten or more tutorial bursaries of approximately $100 per annum in the Faculty of Engineering. In assigning these, the circumstances of the applicants as well as their academic standing are considered. These bursaries carry the obligation of giving tutorial instruction equivalent to one evening a week. Students in the Fourth and Fifth years of Engineering are eligible. Written application should be made to the Dean's Office on or before October 15th.

†*Not to be awarded until further notice.*

RICHARD S. LEA TUTORIAL BURSARIES.—The late Mrs. Wanda Lea, widow of the late Richard S. Lea, Consulting Engineer and graduate in Applied Science of McGill University, provided a fund of $5,000, the revenue of which is to be used in aid of students who distinguish themselves in the Faculty of Engineering. The revenue will be used to provide two bursaries of $100 per annum to be given to suitable students in their last two years of Engineering, the bursaries carrying the obligation to give tutorial instruction equivalent to one evening a week. Written application should be made to the Dean's Office on or before October 15th.

H. M. MACKAY MEMORIAL SCHOLARSHIP.—This scholarship, established in 1932 as a memorial to the late Henry M. Mackay, formerly Dean of the Faculty of Engineering, will be awarded to a student of British citizenship who has completed the Second year in Engineering and intends to enter the Third year in September. A committee appointed by the Faculty selects the scholar, having in mind the results of the Second year sessional examinations, general character, industry, and other qualities desirable in an engineer. The value of the scholarship is $125. Payment is withheld if the scholar's progress is unsatisfactory.

JENKINS BROS., LTD., SCHOLARSHIP.—Supported by Messrs. Jenkins Bros., Ltd., and having an annual value of $200, this scholarship is open to all Engineering students entering the Fifth year in September and is awarded on the basis of academic standing and personality.

RAYONIER CANADA LIMITED SCHOLARSHIP.—This scholarship of $500, offered annually by Rayonier Canada Limited, is available to students entering the final year of Chemical Engineering. The award will be made to a student whose record in the academic and practical work of the Fourth year Chemical Engineering is outstanding.

DOW CHEMICAL OF CANADA LIMITED SCHOLARSHIP.—Dow Chemical of Canada Limited has established a scholarship of $500 for a student in the final year of Chemical Engineering. The award is made by the Scholarships Committee of the Faculty of Engineering on the recommendation of the Chairman of the Department of Chemical Engineering, subject to the following conditions: (1) the student must have a sincere interest in the Chemical Industry; (2) the student must be in the upper half of the class; (3) the student must demonstrate some leadership in extracurricular activities; (4) the student must be "personable"; (5) the student must not hold another scholarship.

KENNECOTT COPPER CORPORATION SCHOLARSHIPS.—Two scholarships of $500 each have been established by the Kennecott Copper Corporation and are open to students who have completed their Third and Fourth years in Metallurgical Engineering at McGill University. Eligible students

must meet the following qualifications: (a) proficiency in studies; (b) enthusiasm, leadership, cooperativeness, initiative, ambition; (c) good health and sturdy constitution; (d) financial need. Further information may be obtained from the Chairman of the Department of Metallurgical Engineering.

WILLIAM HENRY HOWARD SCHOLARSHIPS.—Three scholarships of $400 each were established in 1955 from the estate of the late Mrs. Florence P. Howard in memory of her husband. The scholarships are open to undergraduate and graduate students in Metallurgy, Chemical Engineering and Geology, and are awarded by the University Scholarships Committee upon the recommendations of the Departments concerned on the basis of scholastic ability and general promise. The scholarships may be renewed upon the recommendations of the Departments concerned.

ALUMINUM COMPANY OF CANADA LIMITED SCHOLARSHIPS.—Three scholarships of $500 each are open annually to students in the Faculty of Engineering or to Honours students in the Faculty of Arts and Science, students in the School of Commerce, students in the Faculty of Law, or other faculties providing graduates in subjects of interest to the aluminum industry. The scholarships will be awarded by the University Scholarships Committee upon the recommendation of the faculties concerned on the basis of financial need, character, and ability.

ALLIED CHEMICAL CANADA SCHOLARSHIP.—This scholarship is awarded by the University Scholarships Committee to an outstanding student entering the final year of either the Honours Chemistry course or the Chemical Engineering course who is a citizen of Canada or the United States and interested in pursuing a career in Chemistry or Chemical Engineering. Intellectual capabilities, scientific ability, breadth of interest, and leadership qualities will be the basis of selection. The award will cover the cost of tuition fees plus an additional allowance of $250.

NEVIL NORTON EVANS SCHOLARSHIP—This scholarship of $100 a year was established in 1937 by graduates of the Faculty of Applied Science (Engineering) to commemorate the work of Professor Nevil Norton Evans, formerly Professor of Chemistry. It is open to students in the Faculty of Engineering who show outstanding ability in Chemistry. The award will be made by the Faculty of Engineering and the Department of Chemistry.

STUART ALBERT WISDOM MEMORIAL SCHOLARSHIP.—This scholarship of $200 was established in 1953 by Mrs. Stuart Albert Wisdom as a memorial to her late husband who graduated from McGill University in 1909 with the degree of B.Sc. (Mining and Metallurgy), and to commemorate his outstanding contributions to the field of metallurgy and, in particular,

his invention of the process for the manufacture of acetylene black. The scholarship is awarded by the Faculty Scholarships Committee on the recommendation of the Department of Metallurgical Engineering to a student entering the Fifth year of Metallurgical Engineering who has shown high scholastic ability and engineering promise.

GORDON SPROULE MEMORIAL SCHOLARSHIP.—The Montreal Chapter of the American Society for Metals offers a scholarship of $200 to a student in the Fourth year of the Metallurgical Engineering course. This scholarship has been established in memory of Gordon Sproule, a member of the staff of the Department of Metallurgical Engineering from 1918 to 1953, as a token of his ability and in appreciation of his many services to the Society. The award is made by the Scholarships Committee of the Faculty of Engineering on the recommendation of the Department of Metallurgical Engineering to a student of creditable academic standing, of engineering promise, and who has need of financial assistance.

AMERICAN SOCIETY FOR METALS FOUNDATION FOR EDUCATIONAL RESEARCH SCHOLARSHIP.—A scholarship of $500 is given annually by the American Society for Metals Foundation for Educational Research to attract competent students into the study of Metallurgy. The scholarship is awarded by the Chairman of the Department of Metallurgical Engineering to a student of distinguished ability and engineering promise registering in the Third Year of the course in Metallurgical Engineering.

CANADIAN INSTITUTE OF MINING AND METALLURGY SCHOLARSHIP.—The Montreal Women's Auxiliary of the Canadian Institute of Mining and Metallurgy has established an annual scholarship of $300 open to undergraduate or graduate students in Geology, Metallurgical Engineering, Mining Engineering, or allied subjects.

GEORGE HERRICK DUGGAN MEMORIAL SCHOLARSHIPS (see page 617).

HEWITT EQUIPMENT LIMITED SCHOLARSHIP.—This scholarship of $250 is awarded annually by the Faculty of Engineering to a student in the Fourth or Fifth year in any division of the engineering course. If awarded to a Fourth year student it is renewable if satisfactory standing is maintained. The award is made on the basis of academic standing and engineering promise. In the event that candidates are equal on the above basis, financial need can be considered. Preference is given to students interested in road construction or similar work connected with the Pulp and Paper Industry. No applications are required.

IRON ORE COMPANY OF CANADA SCHOLARSHIPS.—Iron Ore Company of Canada has established two scholarships of $500 each for students entering the Third, Fourth or Fifth year of the Mining Engineering course. The scholarships are awarded by the Scholarships Committee of the Faculty

of Engineering on the recommendation of the Chairman of the Department of Mining Engineering on the basis of academic ability, personality, need, and general suitability for a career in mining.

AMERICAN SMELTING AND REFINING COMPANY SCHOLARSHIP.—This scholarship of $500 has been established by the American Smelting and Refining Company for a student in Mining Engineering. The award is made by the Scholarships Committee of the Faculty of Engineering on the recommendation of the Chairman of the Department of Mining Engineering and is based on academic ability, need, personality, and general suitability for a career in the mineral industry. The scholarship is limited to citizens of Canada, the United States, and Mexico, unless an exception, approved by the Company, should be made.

R. P. D. GRAHAM SCHOLARSHIPS AND MEDALS.—Scholarships provided from the income on a fund endowed by former students of Dr. R. P. D. Graham, Professor Emeritus of Mineralogy, are available to students entering the Second, Third, or Fourth year of the B.Sc. course and to students entering the Third, Fourth, or Fifth year of the Mining Engineering course. The awards are made by the Scholarships Committee of the Faculty of Engineering on the recommendation of the Chairman of the Department of Geological Sciences. A bronze medal bearing a likeness of Professor Graham will be given to each student receiving one of these awards.

ORENDA ENGINES LIMITED SCHOLARSHIPS.—Three scholarships of $500 each have been established by Orenda Engines Limited, Toronto, Ontario, for students having completed the Second, Third, or Fourth year in Chemical, Civil, Electrical, Mechanical, Metallurgical Engineering, or Engineering Physics. One scholarship will be awarded in each of the Third, Fourth, and Fifth years on the basis of high academic standing with preference being given to students who show initiative and leadership qualities. The scholarships are not necessarily renewable, but three scholarships will be awarded in each session. The holders of these scholarships may hold other monetary awards of the annual value of not more than $100.

JOHNSON'S WAX SCHOLARSHIP.—A scholarship of the total value of $1,800 ($600 a year for three years) is awarded each year to a student who has completed the Second year in the Faculty of Engineering and is entering the Third year course in Chemical Engineering. This scholarship is awarded by the Faculty of Engineering and will be renewed until the holder graduates provided his or her academic standing is sufficiently high. The award is made mainly on the basis of academic standing but the general qualifications of the candidates for the engineering profession and their need for financial help shall also be considered. No applications are necessary.

BOND METAL FINISHERS LIMITED SCHOLARSHIP.—This scholarship of $500 has been established by Bond Metal Finishers Limited for a student entering the Third year of Metallurgical Engineering. The award, which may be divided, is made by the Scholarships Committee of the Faculty of Engineering on the recommendation of the Chairman of the Department of Metallurgical Engineering. The student must be in the Third year of Metallurgical Engineering, must have a good academic record and show definite promise of general success as an engineer.

NORTHERN ELECTRIC AWARDS.—The Northern Electric Company has established two awards to assist deserving students to obtain a University education in Electrical Engineering, Mechanical Engineering, Engineering Physics, Honours Mathematics and Physics, or Honours Physics, and one award in Commerce. Each award will have a maximum value of $500 per year. The awards are made by the Scholarships Committees of the Faculty of Engineering and the Faculty of Arts and Science on the basis of academic record with a minimum average of 75% or its equivalent in the previous academic year as a prerequisite. The awards are open to Canadian citizens or landed immigrants who have successfully completed at least one year at the University and are tenable in any year of the undergraduate course except the first year. Each award may be renewed for a subsequent year.

R. C. E. MEMORIAL SCHOLARSHIPS.—These Scholarships of $125 each have been established by the Royal Canadian Engineers and are tenable for one year at a number of universities throughout Canada. One award is open to students at McGill University who have successfully completed their second-to-last year in the courses leading to the degree of Bachelor of Engineering or Bachelor of Architecture. Candidates must be members in good standing of the C.O.T.C. and must have successfully completed at least one summer season's training with such unit or as a member of such unit. R.O.T.P. members and ex-members of the C.O.T.C. who have successfully completed three years of C.O.T.C. training and have transferred to the Canadian Army (Militia) or (Supplementary Reserve) are also eligible. Academic standing, qualities of leadership, and participation in C.O.T.C. and student activities are taken into consideration in making this award. Candidates must be recommended by the University. Further information and application forms may be obtained from the Registrar's office. Applications must be submitted to the Registrar by March 15th.

PROVINCE OF QUEBEC MINING BURSARIES.—Each year the Department of Mines of the Province of Quebec offers a number of bursaries to enable students to take a university course in mining engineering or metallurgical engineering. The maximum annual value of these scholarships is $650

for a student who has to live away from home in order to attend the University, and $400 for a student who can live at home. Candidates must be Canadians and have lived for at least five years in the Province of Quebec. Further information may be obtained from the Registrar's Office. These bursaries are also open to graduate students in Metallurgy, Mining Engineering, and Geology.

A. F. BYERS BURSARY.—This Bursary of $300 is awarded by the Student Aid Officer on the recommendation of the Scholarships Committee of the Faculty of Engineering to a student in Engineering who has a good academic record and has need of financial assistance. It is renewable annually until the holder graduates provided he maintains a satisfactory academic standard and continues to need financial help. Applications should be made to the office of the Dean.

CANADIAN TITANIUM PIGMENTS LIMITED BURSARIES.—These bursaries are open to students in any year of the Faculty of Engineering or the Science course of the Faculty of Arts and Science and are awarded by the Student Aid Officer on the basis of academic merit and financial need.

CANADIAN BECHTEL LIMITED BURSARY.—A bursary of not less than $200 for students in the Faculty of Engineering was established in 1959 by the Bechtel Foundation of Canada. The $600 annual gift may be divided between one or two students, one of whom must be a matriculant entering the Engineering course.

STANDARD CHEMICAL BURSARY.—A bursary fund of $500 has been established by Standard Chemical Limited for undergraduates in Engineering, preferably in the chemical field. The awards will be made by the Scholarships Committee of the Faculty of Engineering on the recommendation of the Chairman of the Department of Chemical Engineering, on the basis of financial need and academic standing to students in the upper years of the Chemical Engineering course.

For information concerning bursaries open to undergraduates in all Faculties see page 624.

PRIZES AND MEDALS

BRITISH ASSOCIATION PRIZES.—Two British Association book prizes of $40 and $20 are awarded to the students obtaining the highest, and the second highest aggregate marks, respectively, in the sessional examinations in Calculus and Mechanics of the Third year.

SCOTT EXHIBITION.—A Scott exhibition book prize of $35, founded by the Caledonian Society of Montreal, in commemoration of the centenary of Sir Walter Scott, and a British Association book prize of $20, are awarded

to the students obtaining the highest, and the second highest aggregate marks, respectively, in the sessional examinations in Mathematics, Mechanics, Descriptive Geometry, and Physics of the Second year.

INTERNATIONAL UNDERWATER CONTRACTORS LIMITED PRIZE.—A prize consisting of the set of five volumes of *A History of Technology*, edited by Charles Singer, E. J. Holmyard and A. R. Hall, is awarded to a student who achieves an outstanding academic record in the examinations of the Second year.

CORPORATION OF QUEBEC LAND SURVEYORS PRIZE.—A prize of $25 open to students in Civil Engineering and awarded at the end of the Fourth year by the Corporation of Quebec Land Surveyors to the student obtaining the highest standing in the subjects of the undergraduate courses in engineering comprising Surveying, up to the end of the Fourth year.

ANGLIN-NORCROSS PRIZE.—A prize of $25, presented by the Anglin-Norcross Corporation Limited, awarded to the student obtaining the highest mark in Architectural Drawing in the Second year of the School of Architecture. This award is granted only to students whose record enables them to proceed to the next higher year.

ANGLIN-NORCROSS PRIZE.—A prize of $25, presented by the Anglin-Norcross Corporation Limited, awarded to the student obtaining the highest marks in the Fourth year course in Design of Buildings (Design A) in the School of Architecture.

MURDOCH LAING PRIZE.—An annual prize of $500 for the design of a medium cost city house has been established by the late Mrs. Florence B. Laing in memory of her son who was formerly a student in the School of Architecture and who was killed at Courcellette in 1916 while serving with the 24th Canadian Infantry Battalion. The prize will be awarded in competition held during the summer between the Fourth and Fifth years.

ATLAS ASBESTOS COMPANY LIMITED PRIZE.—This prize of $200, established by the Atlas Asbestos Company Limited, is offered annually in Fourth year Architecture and will be awarded for the best solution to a regular design problem in which asbestos products would normally be used. The judges are the members of the staff of the School of Architecture.

SOCIETY OF CHEMICAL INDUSTRY STUDENT PRIZES.—Two Montreal Prizes of $50 and $25 are offered by the Canadian Section of the Society of Chemical Industry to be competed for annually by bona-fide undergraduate students of McGill University, the University of Montreal, Macdonald College, and the Ecole Polytechnique. The papers shall be on a chemical subject coming under one of the following groups: (a) original laboratory work

or original plant work; (b) original literature review; (c) critical study of plants and plant operations or chemical processes; (d) critical study of laboratory procedures; (e) any other subject (chemical) involving originality. Entries must be submitted to the Secretary, Canadian Section, Society of Chemical Industry, Room 800, 420 Lagauchetiere St. West, Montreal, not later than April 1st of each year.

SOCIETY OF CHEMICAL INDUSTRY MERIT AWARDS.—The Society of Chemical Industry has established three Merit Awards consisting of a gold key and a year's subscription to "Chemistry and Industry" to be awarded to the three graduating students who achieve the best results in the three following courses: (a) the B.Sc. course with Honours in Chemistry, or Joint Honours in Chemistry and some related science; (b) the B.Eng. course in Chemical Engineering; (c) the Honours course in Biochemistry. The awards are made by the Scholarships Committees of the Faculty of Arts and Science and the Faculty of Engineering on the recommendations of the Chairmen of the Departments concerned.

INSTITUTE OF RADIO ENGINEERS PRIZES.—Each year two prizes will be offered to students of McGill and other approved universities for the best papers on radio engineering or some closely allied subject. The first prize is $25 and the second prize is a student membership in the Institute of Radio Engineers for a period of two years. Essays, which may be written in French or English, must reach the office of the Dean of the Faculty of Engineering not later than the 30th of November.

BRITISH ASSOCIATION MEDAL.—This medal is open for competition to students of the graduating class in each of the Engineering courses, and, if the examiners so recommend, will be awarded to the student taking the highest position in the final examinations. The British Association Medals were founded by the British Association for the Advancement of Science in commemoration of its meeting held in Montreal in 1884.

ENCYCLOPAEDIA BRITANNICA GREAT BOOKS OF THE WESTERN WORLD PRIZES.—Two prizes consisting of two sets of Great Books of the Western World are offered annually by Encyclopaedia Britannica of Canada Limited as achievement awards for students graduating in Science and Engineering with the best record of scholastic achievement in "the other areas which are generally recognized as comprising a liberal education". The prizes are awarded by the Scholarships Committees of the Faculty of Arts and Science and the Faculty of Engineering on the basis of scholastic standing and demonstrated interest in subjects other than the regular fields.

ERNEST BROWN GOLD MEDAL.—This medal was founded by the late Mrs. Ernest Brown in 1952 in memory of her husband the late Ernest Brown, M.Sc., M.Eng., D.Eng., Dean of the Faculty of Engineering from 1930 to 1942

It is awarded to the student in the graduating class in any of the Departments of Engineering who has shown the highest ability throughout his undergraduate course. In making the award, while academic standing is of primary importance, account is also taken of qualities of leadership and ability to work with others.

CHARLES MICHAEL MORSSEN GOLD MEDAL.—This medal was established by Mrs. C. Michael Morssen in memory of her husband, Charles Michael Morssen, a benefactor of the Faculty of Engineering for many years. It is awarded to a student of high academic standing and exceptional engineering promise in the graduating class in any of the Departments of Engineering.

LIEUTENANT-GOVERNOR'S GOLD MEDAL.—Awarded to the student ranking highest in the Graduating Class in Architecture, provided his work is considered of sufficient merit.

LIEUTENANT-GOVERNOR'S SILVER MEDAL.—Awarded to the student obtaining the second place in the Graduating Class in Architecture, provided his work is considered of sufficient merit.

ROYAL ARCHITECTURAL INSTITUTE OF CANADA MEDAL.—A medal is offered annually to the student who has completed the entire course at a recognized School of Architecture, has obtained high marks throughout his course, and who gives promise of being an architect of distinction after graduation. British subjects only are eligible for this award.

LOUIS ROBERTSON PRIZE.—Founded by Mr. and Mrs. John A. Robertson, in memory of their son, John Louis Armour Robertson, who was killed in the Great War on July 18th, 1916, to be awarded in the form of books to the graduating student who ranks highest in Design in the final year of the School of Architecture.

PHILIP J. TURNER PRIZE.—A prize of $70 presented by Mr. A. B. Darbyson, a graduate in the School of Architecture of the Class of 1915, to the student obtaining the highest marks in Building Construction of the Third year course in Architecture.

ROBERT FORSYTH PRIZE IN CIVIL ENGINEERING.—Under the will of the late Miss Jeanie Forsyth a prize of $40 is awarded each year, if the examiners so recommend, to a "worthy and needy" student of the graduating class who secures high standing in the subjects of Theory of Structures and Strength of Materials.

ELECTRICAL MANUFACTURING CO. LTD. PRIZE.—The Electrical Manufacturing Co. Ltd. of Montmagny, Quebec, offers a prize of $25 to the top ranking graduating student in the Power Option of the Electrical Engineering course. This prize is awarded by the Department of Electrical Engineering.

CHESTER MACNAGHTEN PRIZES (see page 632).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 632).

MCCHARLES PRIZE.—This prize of $1,000, gift of the late Aeneas McCharles, is given for the discovery of improved methods of treating Canadian ores or minerals, for the development of new life-saving devices in the power and light industry, or for notable achievement in scientific research in any useful practical line, and is open to any Canadian. Further information may be obtained from the Registrar's Office.

PRIZES FOR TECHNICAL PAPERS

ENGINEERING INSTITUTE OF CANADA PRIZES.—The Engineering Institute of Canada offers each year a prize of books or instruments to the value of $25 for the best paper in any branch of engineering received from an English-speaking Junior of the Institute in the Province of Quebec. This prize is known as the Phelps Johnson Prize; another of the same value, the Ernest Marceau Prize, is awarded for the best paper in French. Similar prizes are open to those located in other provinces. The successful papers become part of the literature of the Institute and place the authors in prominent touch with the engineering profession. Further particulars may be obtained from L. Austin Wright, General Secretary, 2050 Mansfield Street, Montreal.

ENGINEERING INSTITUTE OF CANADA PRIZE.—The Engineering Institute of Canada also offers each year a prize of $50 to the student of the Fourth year whose standing, considered in combination with his activities in student engineering organizations, is, in the opinion of the Faculty, most meritorious.

CANADIAN INSTITUTE OF MINING AND METALLURGY PRIZES.—Two prizes, one of $50 and one of $25, for, respectively, the first and second best technical paper prepared by undergraduate students before receiving a Bachelor's degree on a subject appropriate to any one of the Institute's Technical Divisions, namely the Coal Division, the Geology Division, the Industrial Minerals Division, the Metallurgy Division, the Metal Mining Division, and the Petroleum and Natural Gas Division.

UNDERGRADUATE SOCIETY'S PRIZES.—Three book prizes to the value of $10 are given by the Undergraduate Society of the Faculty of Engineering for the best technical papers submitted by students in the Fourth and Fifth years.

In addition, two book prizes to the value of $10 are given by the Society for technical papers submitted by students entering the Third year.

The following regulations apply: (1) the Faculty will correct and grade the technical papers in the usual way, (2) when the classification is completed a list of those papers worthy of consideration by the Prize Committee will be posted, (3) papers awarded prizes will *ipso facto* become the property of the Engineering Undergraduate Society and will be bound by the Society and kept in the Engineering Library, and (4) a notice to accompany the list of papers considered, will be posted stating that among the students considered those wishing to compete for the prizes should signify their intention to do so by writing to the Faculty, mentioning clearly that they accept condition No. 3.

JAMES DICKIE HALL PRIZES.—Two prizes were established by Oliver Hall in memory of his son, James Dickie Hall, lost near Cannes in June 1944, in an air battle between four R.C.A.F. and more than ninety enemy planes. These prizes of $50 each, one in Mining and one in Metallurgy, are open to students entering the Fourth or Fifth years of these courses and are awarded for the best technical paper in each department. Prizes will not be awarded unless the papers are of high quality.

TURNBULL ELEVATOR COMPANY LIMITED PRIZES.—Four prizes of $62.50 each have been provided by the Turnbull Elevator Company Limited of Toronto for students of the School of Architecture who submit the best technical papers in their particular year.

AMERICAN SOCIETY OF HEATING, REFRIGERATING AND AIRCONDITIONING ENGINEERS PRIZE.—This prize of $25 and a copy of the A.S.H.R.A.E. Guide is awarded for the best technical paper on heating, refrigerating, and airconditioning topics.

QUEBEC ROAD BUILDERS ASSOCIATION PRIZE.—A prize, or prizes, totalling $150, is offered annually by the Quebec Road Builders Association to the student or students submitting technical papers as part of their regular assignments and who select a topic related to the soil engineering aspects of road building.

LOAN FUNDS

GEORGE HENRY FROST FUND.—Founded by the late G. H. Frost, B.Sc. 60, to aid students who, when commencing the work of the Fourth year or a subsequent year in the Faculty of Engineering, require financial assistance. In making loans from this fund the academic standing of the applicants is considered. Applications should be made to the Dean.

WADDELL LOAN FUND.—Founded by the late J. B. Waddell, Esq. Loans are made under the same conditions as apply to the George Henry Frost Fund, except that the benefits are available to graduate students as well as to undergraduates. Applications should be made to the Dean.

CANADIAN INSTITUTE OF MINING AND METALLURGY LOAN FUND.—Founded by the Montreal Women's Auxiliary of that organization for the assistance of Engineering students in Mining, Metallurgy, Geology, and allied subjects. Applications should be made to the Dean.

CANADIAN INSTITUTE OF MINING AND METALLURGY MONTREAL BRANCH LOAN FUND.—Established in December 1958 by a donation from the Montreal Branch of the Institute to provide loans to undergraduate or graduate students in the Departments of Geological Sciences, Metallurgical Engineering and Mining Engineering. Application should be made to the Dean.

BENNETT EDUCATIONAL FUND.—Students in Engineering are eligible for loans from the Bennett Educational Fund of the Engineering Institute of Canada. Application forms may be obtained from the Office of the Dean. Loans from this fund are made normally only to students in upper years.

ISABELLA MCLENNAN BURSARY AND LOAN FUND.—Established in 1950 by Miss Isabella McLennan to aid students in the School of Architecture. Applications should be made to the Dean of the Faculty of Engineering.

SCIENCE '25 MEMORIAL LOAN FUND.—Established in 1955 by the Class of Science '25 to provide loans for undergraduate students in Engineering. Applications should be made to the Dean.

WICKENDEN LOAN FUND.—Established in December 1958 by Mr. John F. Wickenden to aid students in the final year of Engineering who have obtained better than average standing in previous years. Application should be made to the Dean.

OTHER LOAN FUNDS (see page 633).

For awards open to Graduate Students see page 704.

F. OPEN TO STUDENTS IN THE FACULTY OF MEDICINE

For scholarships and bursaries open to undergraduate in all faculties see page 624.

MEDALS

HOLMES GOLD MEDAL.—Founded by the Medical Faculty in the year 1865, as a memorial of the late Andrew Holmes, M.D., LL.D., sometime Dean of the Faculty of Medicine, this medal is awarded to the student graduating with the highest aggregate number of marks in the different branches comprised in the medical curriculum.

The student who wins the Holmes Medal has the option of exchanging it for a bronze and the money equivalent of the gold medal.

WOOD GOLD MEDAL.—Founded by Casey A. Wood, M.D., LL.D., this medal is awarded to the student graduating with the highest aggregate number of marks in the oral and practical examinations in the clinical subjects of the Final year. The winner of the Holmes Medal is ineligible for this medal.

SUTHERLAND GOLD MEDAL.—This medal, founded in 1878 by the late Mrs. Sutherland in memory of her husband, William Sutherland, M.D., formerly Professor of Chemistry in this Faculty, is awarded for the best examination in Biochemistry, together with a creditable examination in the primary branches.

LIEUTENANT-GOVERNOR'S GOLD MEDAL.—This medal is awarded to the student of the final year who, in the opinion of the Chairman of the Department of Health and Social Medicine, is most proficient in that subject.

LIEUTENANT-GOVERNOR'S SILVER MEDAL.—This medal is awarded to the student who obtains the highest standing in the final examination in Physiology.

WALTER CHIPMAN GOLD MEDAL.—This medal, founded by the late Max Strean in honour of Dr. W. W. Chipman, is awarded to the student obtaining the highest aggregate standing in Obstetrics and Gynaecology throughout the medical course.

PRIZES

JOSEPH HILS PRIZE.—(Founded by the late Dr. Joseph Hils, of Woonsocket, R.I.)—A prize in books, awarded to the student who obtains the highest number of marks in the subject of Pharmacology.

JOSEPH MORLEY DRAKE PRIZE.—(Founded by the late Joseph Morley Drake, M.D.)—A prize of $50 in books, to be awarded to the student who obtains the highest number of marks at the final examination in Pathology.

PRIMARY PRIZE.—A prize in books awarded for the best aggregate standing in the subjects of the first two years.

F. SLATER JACKSON PRIZE.—A prize of $35 founded by Mr. and Mrs. H. F. Jackson in memory of their son, the late F. Slater Jackson, M.D. The prize is awarded to the student who obtains the highest standing in the final examinations in Histology.

ALEXANDER D. STEWART PRIZE.—An annual prize in books, founded by the late W. Grant Stewart (Arts 1885, Med. 1888) in memory of his brother, the late Alexander D. Stewart (Med. 1888), to be awarded to the member of the graduating class who, in the opinion of the Faculty, presents in every respect the highest qualifications to practise his profession.

ROBERT FORSYTH PRIZE.—Under the will of the late Miss Jeanie Forsyth a prize of $40 is awarded each year to a student who, upon graduation, has shown particular ability in all branches of Surgery.

CAMPBELL KEENAN MEMORIAL PRIZE IN CLINICAL SURGERY.—An annual prize of $50 has been established by Miss Charlotte Mildred Hagar in memory of the late Dr. Campbell B. Keenan. The prize will be awarded to the student in the graduating class who has shown the highest proficiency in Clinical Surgery as determined by the Chairman of the Department of Surgery. The winner of the Robert Forsyth Prize in Surgery is ineligible for this award.

JOHN MUNRO ELDER PRIZE.—An annual prize of $50 founded in 1935 by Aubrey H. Elder, Q.C., in memory of his father, John M. Elder, C.M.G., M.D., C.M., sometime Assistant Professor of Surgery in the Faculty. The prize is awarded to the student who obtains the highest standing in the final examinations, written and oral, in Anatomy.

CAMPBELL HOWARD PRIZE IN CLINICAL MEDICINE.—An annual prize of $50 founded by Mrs. Campbell Howard, in memory of her husband, the late Dr. Campbell P. Howard, Professor of Medicine at McGill University. The prize is awarded to the student who shows the most consistent excellence in his written case reports in the subject of Clinical Medicine in the Third year of the course.

COLLEGE OF PHYSICIANS AND SURGEONS OF THE PROVINCE OF QUEBEC PRIZE IN MEDICINE AND PATHOLOGY.—This prize of $100 is awarded to the student who obtains the highest standing in the final examinations in Medicine and Pathology. The recipient of this prize must be registered as a student in Medicine with the College of Physicians and Surgeons of the Province of Quebec.

COLLEGE OF PHYSICIANS AND SURGEONS OF THE PROVINCE OF QUEBEC PRIZE IN PAEDIATRICS.—This prize of $100 is awarded to the student who obtains the highest standing in the final examination in Paediatrics. The recipient of this prize must be registered as a student in Medicine with the College of Physicians and Surgeons of the Province of Quebec.

MONA BRONFMAN SHECKMAN PRIZE.—Awarded to the student who obtains the highest standing in Psychiatry in the final year.

ELECTRODESIGN PRIZE.—A prize of books for the highest standing in the Anatomy and Physiology sections of the Second year course in Anatomy and Physiology of the Central Nervous System.

PRIZE IN PSYCHIATRY.—This prize of $50 in books is awarded annually to the Third year Medical student who, in the opinion of the Awards Committee of the Department of Psychiatry, submits the best essay upon a subject to be set each year.

MONTREAL CHILDREN'S HOSPITAL CUSHING MEMORIAL PRIZE.—This prize of $100 is awarded to the student with the highest standing in Paediatrics in the final year.

ISAAC BLATT ARTERY PRIZE.—This prize of $250 was established by the Quebec Heart Foundation and is awarded annually for an essay on advances in knowledge of the cardiovascular system since 1947. The essay may deal with one or more special branches of knowledge—anatomy, embryology, physiology, medicine, surgery, etc. Essays should be at least 5,000 words in length but not longer than 10,000 words. Essays are to be written by undergraduate students of medicine at McGill University and submitted to the Dean of the Faculty of Medicine of McGill University by September 1st.

WOMEN'S PAVILION PRIZE.—A prize of books for the student with the highest standing in Obstetrics and Gynaecology in the final year of the medical course.

LADY MEREDITH PRIZE.—This prize has been established by the Wolfe and Montcalm Chapter of the I.O.D.E. in memory of the late Lady Meredith, It will be awarded annually to the student with the highest standing in Obstetrics and Gynaecology in the Third year of the medical course.

F. C. HARRISON PRIZE.—A prize of $50 to be awarded annually to the student with the highest standing in Medical Microbiology.

CHESTER MACNAGHTEN PRIZES (see page 632).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 632).

SCHOLARSHIPS AND BURSARIES

NATIONAL SCHOLARSHIPS (see page 613).

JAMES H. CUMMINGS SCHOLARSHIPS (see page 615).

UNIVERSITY SCHOLARSHIPS (see page 624).

FREDERICK SMITH MEMORIAL SCHOLARSHIP.—One University Scholarship known as the Frederick Smith Memorial Scholarship is awarded only to students in the Faculty of Medicine.

DR. MAUDE E. SEYMOUR ABBOTT SCHOLARSHIPS.—Established in 1938 by an anonymous donation of $10,000 in honour of the late Maude E. Seymour Abbott, B.A., M.D., F.R.C.P. (Canada), LL.D. (McGill), to commemorate her distinguished work in connection with the history of Canadian medicine, the Sir William Osler Pathological Collection, and her outstanding research in congenital cardiac disease.

The revenue of this fund is used for the provision of scholarships to be awarded by the University to an undergraduate in the Faculty of Medicine. While men and women are both eligible for the awards, women candidates will be given the preference. The amount of the awards will vary according to the needs of the winners. Applications in writing must reach the Secretary of the Faculty before June 30th.

J. H. B. ALLAN SCHOLARSHIP.—This scholarship of $400 is available to undergraduate students in any year and is awarded by the Scholarships Committee of the Faculty of Medicine on the basis of scholarship and financial need. No application is required.

DR. E. M. FISHER MEMORIAL SCHOLARSHIP.—This scholarship is available to undergraduate students in any year and is awarded by the Scholarships Committee of the Faculty of Medicine on the basis of scholarship and financial need. No application is required.

WALTER J. HOARE MEMORIAL SCHOLARSHIP.—This scholarship was endowed by the late Dr. Charles W. Hoare, a graduate of McGill University, in memory of his son, Walter J. Hoare, who was killed in World War I. It is open annually to pupils of the Collegiate Institutes of the counties of Essex, Kent and Lambton entering the Faculty of Medicine. If there are no qualified candidates in this preferred class, the scholarship may be awarded to another candidate nominated by the Faculty of Medicine. Applications in writing must reach the Secretary of the Faculty before June 30th.

JAMES GRAHAME KER AND FREDERICK K. PETRIE MEMORIAL SCHOLARSHIP.—This scholarship of $400 is awarded annually to the student from Eastern Ontario (Counties of Dundas, Stormont, Glengarry, Grenville, Carleton, Russell, and Prescott) or from the city of Montreal, who, in the examinations of the First year of the medical course secures the highest academic standing. The Faculty of Medicine may, however, if they see fit, award this scholarship to the same student during the Third and Fourth years.

KEITH HUTCHISON MEMORIAL SCHOLARSHIPS.—In memory of the late Dr. Keith Hutchison, two scholarships have been established in the Faculty of Medicine. Their normal value is $400 each per annum, but this is subject to adjustment at the Faculty's discretion in the light of the holder's financial needs. The scholarships are tenable in any year of the course and will be awarded on the basis of distinguished academic standing and financial need. The holder of a scholarship in any one session is eligible to re-apply for the following year. Applications in writing must reach the Secretary of the Faculty before June 30th.

CAMPBELL KEENAN MEMORIAL SCHOLARSHIP.—This scholarship, having a normal value of $150 a year, has been established by Miss Charlotte Mildred Hagar in memory of the late Dr. Campbell B. Keenan. It is tenable in the Second, Third, or Fourth year of the course in Medicine and is awarded on the basis of distinguished academic standing and financial need. The award will be made to an applicant who has expressed the intention eventually of entering surgical practice. The holder of the scholarship in any one session is eligible to re-apply for a subsequent session. Applications in writing must reach the Secretary of the Faculty before June 30th.

ROBERT SHARWOOD MEMORIAL SCHOLARSHIP.—In memory of the late Mr. Robert Sharwood a scholarship has been established in the Faculty of Medicine. Its normal value is $400 per annum, but this is subject to adjustment at the Faculty's discretion in the light of the holder's financial needs. The scholarship is tenable in any year of the undergraduate course in Medicine and will be awarded on the basis of distinguished academic standing and financial need. The holder of the scholarship in any one session is eligible to re-apply for the following year.

SIMON AND ROSALIE HALPERN MEMORIAL SCHOLARSHIP.—This scholarship was endowed by the late Dr. Fanny G. Halpern in memory of her parents. It has a value of $400 and is open annually to students of Roman Catholic or Jewish faith. The award will be made on the basis of distinguished academic standing and financial need. The holder of the scholarship in any one session is eligible to re-apply for the following year. Applications in writing must reach the Secretary of the Faculty before December 1st.

MORRIS BINZ SCHOLARSHIP.—From the bequest of the late Morris Binz, $1,000 is set aside annually for scholarships in the Faculty of Medicine.

SIR EDWARD W. BEATTY MEMORIAL SCHOLARSHIPS FOR MEDICAL STUDENTS.—A fund of $100,000 has been established under the will of the late Dr. Henry Albert Beatty, the income from which is to support two scholarships, not necessarily of equal value, to be awarded annually to students of either sex and of any nationality, who must be registered in the Faculty of Medicine as candidates for the M.D.,C.M. degree or for one of the postgraduate Diplomas in a clinical specialty. The holder is expected to devote his year of tenure either to research or to some form of special training excluding the normal training toward the M.D.,C.M. and excluding any of the years of residency training required in the Diploma courses. In the case of students who hold or are working towards the McGill M.D.,C.M. the award may be held at any approved institution in Canada or abroad. For other qualified students the award must be

held at McGill University. These scholarships will be awarded by the Faculty of Medicine. Awards will not be made unless suitable candidates present themselves. Applications should be made to the Secretary of the Faculty of Medicine on the forms provided for this purpose on or before February 1st of the year in which the scholarship is to commence.

SAVORY BURSARY.—This bursary of $100 is tenable in the Second, Third, or Fourth year, without other restriction. Applications should be made to the Secretary of the Faculty before June 20th on forms obtainable from the Student Aid Office.

BRUCE SMITH BURSARY FUND.—This fund was set up by a bequest from the late Dr. Bruce Stewart Smith. It is "to assist poor but worthy medical students to complete medical training at McGill University." Application in writing should be made to the Secretary of the Faculty.

G. J. PICKLEMAN BURSARY.—This bursary of $100 was established in 1956 by Mr. G. J. Pickleman and is available to undergraduate students in any year. It is awarded by the Scholarships Committee of the Faculty of Medicine on the basis of distinguished academic standing and financial need.

LOAN FUNDS

KELLOGG LOAN FUND.—Loans up to a maximum of $500 in any one year may be granted to students in good standing who require such assistance from a fund given to the Faculty by the Kellogg Foundation. The regulations and the application forms are the same as for other loan funds controlled by the University. Application should be made to the Student Aid Officer.

BOSWELL JAMES LOAN FUND.—This fund was established in 1943 by Dr. A. Boswell James and is available to undergraduates and graduates. Application should be made to the Dean.

WESTON FAY VOLBERG JR. MEMORIAL LOAN FUND.—This fund was established in 1956 by classmates of the late Weston Fay Volberg, Jr., M.D., C.M. 1953, and is available to medical students.

GERTRUDE MUDGE MEMORIAL STUDENT AID FUND.—Established in September 1958 by donations from students, graduates, and staff in memory of the late Gertrude Mudge who was for many years Assistant Secretary of the Faculty of Medicine. Loans from this fund shall not exceed the tuition fees for the year. Application should be made to the Student Aid Officer.

OTHER LOAN FUNDS.—See page 633.

For awards open to Graduate in Medicine see pages 705, 711, 722.

G. OPEN TO STUDENTS IN THE FACULTY OF DENTISTRY

For scholarships and bursaries open to undergraduates in all Faculties see page 624.

SCHOLARSHIPS

NATIONAL SCHOLARSHIPS (see page 613).

UNIVERSITY SCHOLARSHIPS (see page 624).

INTERNATIONAL COLLEGE OF DENTISTS (CANADIAN SECTION) SCHOLARSHIP.—This scholarship of $100 is awarded annually by the Faculty of Dentistry to a student who has completed the Third year and is entering the Fourth year. The award is based on scholastic record in the Third year, general character, and participation in extra-curricular activities. No application is required.

CANADIAN DENTAL ASSOCIATION WAR MEMORIAL SCHOLARSHIP AWARD: First Prize $125.00; Second Prize $75.00. To be awarded annually.

This is an essay contest open to all undergraduates of the final year who have been in attendance for at least two years at any Canadian Dental School. The essay shall consist of not more than 4,000 words and not less than 2,500 words, excluding bibliography.

Correspondence relative to this scholarship should be addressed to The Secretary, Canadian Dental Association, 234 St. George St., Toronto.

MEDALS AND PRIZES

MONTREAL DENTAL CLUB GOLD MEDAL.—Awarded to the student who stands first in the science and practice of Dentistry in the final year.

COLLEGE OF DENTAL SURGEONS OF THE PROVINCE OF QUEBEC PRIZE.—The J. K. Carver Prize is awarded to the student, registered in Quebec, obtaining the highest standing in the practical examination in the final year.

COLLEGE OF DENTAL SURGEONS OF THE PROVINCE OF QUEBEC PRIZE.—A prize awarded to the student, registered in Quebec, who has achieved the highest academic standing over the four years of the course.

LIEUTENANT-GOVERNOR'S GOLD MEDAL.—Awarded to the student who has achieved the highest academic standing over the four years of the course.

LIEUTENANT-GOVERNOR'S SILVER MEDAL.—Awarded to the student obtaining the highest standing in the final examinations of the Third year.

MONTREAL ENDODONTIA SOCIETY BOOK PRIZE.—Awarded to the student in the final year obtaining the highest standing in the subject of Endodontics.

AMERICAN ACADEMY OF DENTAL MEDICINE (MONTREAL SECTION) BOOK PRIZE.—Awarded to the student in the final year obtaining the highest standing in Dental Medicine.

CANADIAN SOCIETY OF DENTISTRY FOR CHILDREN PRIZE.—A prize is awarded to the student in the final year obtaining the highest standing in didactic and clinical phases of Pedodontics.

MONTREAL DENTAL CLUB PRIZE—THE DONIGAN MEDAL.—Awarded to the student obtaining the second highest standing in the final examinations in the Third year.

M. J. T. DOHAN PRIZE.—Awarded to the student obtaining the highest standing in the written examination in Pedodontics in the Third year.

DORION PRIZE.—A prize offered by Dr. Eugene S. Dorion to the student, in the Third year, obtaining the highest standing for an essay on Roentgenology.

HALDER STUDY CLUB PRIZE.—Awarded to the student in the Third year obtaining the highest qualitative grade in Clinical Operative Dentistry.

SOLOMON PRIZE.—A prize, in memory of the late Dr. Arthur S. Solomon, is awarded to the student who obtains the highest standing in the final examinations in the Second year. This prize is made possible by a donation from the Mount Royal Dental Society and the Alpha Omega Fraternity.

MONTREAL DENTAL CLUB PRIZE—THE MOWRY MEDAL.—Awarded to the student obtaining the second highest standing in the final examinations in the Second year.

DORION PRIZE.—A prize offered by Dr. Eugene S. Dorion to the student, in Second year, obtaining the highest standing for an essay on Roentgenology.

DR. I. K. LOWRY PRIZE.—A medical dictionary awarded to the student obtaining the highest standing in Gross Anatomy in the Second year.

DR. I. K. LOWRY PRIZE.—A medical dictionary awarded to the student obtaining the highest standing in Oral Histology and Embryology in the Second year.

MOUNT ROYAL DENTAL SOCIETY PRIZE.—Awarded to the student obtaining the highest standing in the final examinations in the First year.

MONTREAL DENTAL CLUB PRIZE.—Awarded to the student obtaining the second highest standing in the final examinations in the First year.

ANONYMOUS PRIZE.—Awarded to the student obtaining the highest standing in the final examination in Biochemistry in the First year.

ALPHA OMEGA FRATERNITY PRIZE.—Awarded to the student obtaining the highest standing in the final examination in Physiology in the First year.

CHESTER MACNAGHTEN PRIZES (see page 632).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 632).

LOAN FUNDS

KELLOGG LOAN FUND.—A sum of money has been placed at the disposal of the Faculty of Dentistry by the Kellogg Foundation to assist dental students who have real financial need and are not eligible for assistance under other bursary and loan schemes. Applicants should consult the Dean of the Faculty of Dentistry.

W. R. AIRD LOAN FUND.—Established in 1952 for students in Dentistry. Applications should be made to the Dean.

COLLEGE OF DENTAL SURGEONS OF QUEBEC LOAN FUND.—Established in September 1958 by the College of Dental Surgeons of the Province of Quebec to aid students in the Second and upper years in the Faculty of Dentistry. Such students must be registered with the College of Dental Surgeons of the Province of Quebec and loans shall not exceed the tuition fees for the year. Application should be made to the Dean.

OTHER LOAN FUNDS.—See page 633.

H. OPEN TO STUDENTS IN THE FACULTY OF LAW

For scholarships and bursaries open to undergraduates in all Faculties see page 624.

SCHOLARSHIPS AND PRIZES

NATIONAL SCHOLARSHIPS (see page 613.)

UNIVERSITY SCHOLARSHIPS (see page 624.)

ALUMINUM COMPANY OF CANADA LIMITED SCHOLARSHIPS (see page 657).

CHIEF JUSTICE R. A. E. GREENSHIELDS MEMORIAL SCHOLARSHIPS.—These scholarships were founded by the will of the late Mrs. R. A. E. Greenshields in memory of her husband, the late Chief Justice Greenshields, D.C.L., LL.D., for many years professor of Criminal Law and Dean of the Faculty of Law. Two scholarships of the value of $400 each are awarded annually to students entering the Faculty of Law and are renewable in each of the two upper years leading to the Bachelor of Civil Law degree, provided that the student's conduct is satisfactory and that he maintains at least a high Second Class standing, or in

the opinion of the Faculty is for other reasons entitled to its renewal. Candidates must satisfy the regular requirements for admission to the Faculty, must have earned a scholastic standing of at least high Second Class, and preferably First Class at the University or Institution which they previously attended, and must furnish evidence of the necessity of financial assistance in order to be able to take up the study of law. Although fluency in both English and French is not essential, preference will normally be given to an applicant who has a good working knowledge of both languages. Application should be made to the Secretary of the Faculty.

THOMAS ALEXANDER ROWAT SCHOLARSHIP.—This scholarship of $125 was founded by Mr. Donald McKenzie Rowat, N.P., in memory of his brother, Lieutenant Thomas Alexander Rowat, B.C.L., who was killed in action at Lens, France, on the 28th June, 1917. It is awarded in alternate years for proficiency in the French language and in the old French law. Candidates must be British subjects of Anglo-Saxon origin.

MAURICE GOLDENBERG MEMORIAL SCHOLARSHIP.—This scholarship of $100 in Government, Constitutional Law, or Public Administration has been established by Mr. H. Carl Goldenberg in memory of his father, the late Maurice Goldenberg. It is awarded annually by the University Scholarships Committee to the best candidate amongst those nominated by the Faculty of Arts and Science and the Faculty of Law. The scholarship is open to both men and women with no restriction as to race, creed, or colour.

ALEXANDER SCHOLARSHIP.—This scholarship of $45 was established in 1950 under the will of the late Maurice Alexander, C.M.G., K.C., of London, England, as a token of esteem for the late Sir Charles Peers Davidson, former Professor of Criminal Law at McGill University. It is awarded annually to a student selected by the Faculty.

LYON W. JACOBS BURSARY.—This bursary was established in November 1957 by donations totalling $500 from the son and daughters of Mr. Lyon W. Jacobs, Q.C., in honour of their father. This fund is to be used to provide an annual bursary of $100 for a Second or Third year Law student who, in the opinion of the Faculty of Law, shows the most progress in his studies and is also in financial need.

MACDONALD TRAVELLING SCHOLARSHIP (see page 720).

CHARLES ALBERT NUTTING PRIZE.—Founded in 1930 by Miss Adelaide Nutting, M.A., R.N., in memory of her brother, Charles Albert Nutting, K.C., B.C.L., who graduated from the Faculty in 1872. The value of the prize is $70. It is awarded to the student in the First or Second year submitting the best essay on a topic related to legal history, the topic to be fixed in advance by the Faculty.

CARSWELL PRIZES.—Two prizes of $30 each in books were established in 1948 by the Carswell Company, Toronto, Ontario, and are awarded to First or Second year students at the discretion of the Faculty.

READING SOCIETY OF MONTREAL PRIZE.—A prize of $50 established in 1952 by the Reading Society of Montreal to be awarded annually to the student who obtains the highest standing in the First year.

ALEXANDER MORRIS EXHIBITION.—This exhibition of the value of $50, founded in memory of the late Hon. Alexander Morris, M.A., D.C.L., of Toronto, will be awarded to the student who obtains the highest standing in the Second year.

ADOLPHE MAILHIOT MEMORIAL PRIZE.—This prize established by Mr. and Mrs. J. N. Mailhiot, of Victoriaville, P.Q., in 1927, consists of a prize of law books to be given annually to a student selected by the Faculty.

MONTREAL BAR ASSOCIATION PRIZES.—The Montreal Bar Association offers a prize of $50 to the student who obtains the highest standing in Civil Law in the final year and a prize of $50 to the student who obtains the highest standing in Civil Procedure in the final year. The Junior Bar Association also offers a prize of $15 to the student who obtains the best marks in Civil Procedure in the final year.

CHIEF JUSTICE GREENSHIELDS PRIZE.—This prize in Criminal Law endowed by Mrs. Greenshields in 1943 in memory of her husband, the late Chief Justice Robert Alfred Ernest Greenshields, is awarded to the member of the graduating class in Law having the highest standing in Criminal Law throughout the college course. The value of the prize is $40.

JOHN E. CRANKSHAW PRIZE.—Established by friends of the late John E. Crankshaw, Q.C., formerly lecturer in Criminal Law at McGill University. The prize consists of an Advocate's Gown, a copy of the Annotated Criminal Code, and, revenue permitting, the year's Bar Fee. It is to be awarded to the student who has obtained the highest standing in Criminal Law subjects at McGill University and has passed his final examination for admission to the Bar of the Province of Quebec.

"I.M.E." PRIZE IN COMMERCIAL LAW.—A prize of $70 in law books awarded annually to the member of the graduating class having the highest standing in Commercial Law throughout the course.

H. E. HERSCHORN PRIZE.—A prize of $100 given annually by Mr. H. E. Herschorn, N.P., B.A. 1911, B.C.L. 1914, and awarded to the highest ranking graduating student who intends to enter the Notarial profession.

FACULTY ESSAY PRIZE.—A prize of $50 is awarded annually to the student writing the best essay in public law in the Third year.

ARNOLD WAINWRIGHT PRIZE.—A prize of $150 is awarded annually to the student writing the best essay in civil law in the Third year.

MAX CRESTOHL PRIZE.—A prize of $40 was established in 1959 under the Will of the late Max Nathan Zion Crestohl, Q.C. It is awarded annually to the student who, in the opinion of the Faculty, has submitted the best written contribution to the McGill Law Journal.

GERALD S. TRITT, Q.C. PRIZE.—This prize of $100 was established in 1961 by the family and friends of Mr. and Mrs. Tritt and is awarded annually to the student who obtains the highest standing in the Special Contracts course.

CHESTER MACNAGHTEN PRIZES (see page 632).

J. M. RUTHERFORD MEMORIAL PRIZE (see page 632).

MEDALS

ELIZABETH TORRANCE GOLD MEDAL.—Founded in 1864 by Professor John Torrance in memory of his wife, this medal is awarded to the student who obtains the highest marks in the final examinations.

I. BALLON MEMORIAL MEDAL.—This medal was established in 1955 by Mrs. I. Ballon in memory of her husband, the late Isidore Ballon, B.A. 1907, B.C.L. 1908, and is awarded annually to the most outstanding student on the Board of Editors of the McGill Law Journal.

No medals, prizes or scholarships will be awarded if, in the opinion of the Faculty, there is no candidate of sufficient merit.

LOAN FUNDS

A. FLEMING LOAN FUND.—Established in 1954 by Mr. A. Fleming to aid students in the Faculty of Law. Application should be made to the Dean.

OTHER LOAN FUNDS.—For loan funds open to students in all faculties see page 633.

For awards open to Graduate Students see pages 711 and 720.

I. OPEN TO STUDENTS IN THE FACULTY OF MUSIC

For scholarships and bursaries open to undergraduates in all Faculties see page 624.

UNIVERSITY SCHOLARSHIPS (see page 624).

MARTLET MUSIC AWARDS.—These awards have been made possible through the generosity of patrons of the Martlet Concert and Ball which took place in April, 1960. A number of awards, ranging in value from one-third to

full tuition fees, are offered to students qualifying for admission to the First year of either the degree or the diploma course in Music. These awards are made by an adjudicating Committee which takes into consideration the financial circumstances of the applicant, as well as musical ability and academic standing. This Committee will hold auditions at a pre-announced date in May for applicants qualifying for admission in either Performance or School Music. A taped or recorded transcription of a musical performance by the applicant will, however, be acceptable in cases where travel to Montreal is not possible. Applicants qualifying for admission to the degree curriculum in Composition should submit one or more personal musical works with their completed application form. In the event awards should be withheld, a September audition may be announced, eligibility for which extends to students entering the Second or some subsequent year of either the degree or diploma curriculum. Applications for the Spring audition should reach the Dean of the Faculty of Music not later than March 15th; those for the Fall audition (if held), not later than September 1st.

SIR WILLIAM PETERSON MEMORIAL SCHOLARSHIPS.—Established in 1921 by the University and by friends, graduates and pupils of the Faculty of Music. The interest upon the original endowment of $6,055 is used to support scholarships in Music as a memorial to the late Sir William Peterson. For further details consult the Secretary of the Faculty.

SIR WILLIAM MACDONALD MEMORIAL SCHOLARSHIPS.—Established in 1922 by the University. The interest upon the original endowment of $6,000 is used to support scholarships in Music as a memorial to the late Sir William Macdonald. For further details consult the Secretary of the Faculty.

ELLEN BALLON PIANO SCHOLARSHIP.—Founded in 1928 by a gift of $1,500 from Miss Ellen Ballon, a graduate of the Conservatorium. The principal has been increased by a further gift of $1,500 from Miss Ballon. In making this award the Faculty takes into account the need as well as the ability of candidates.

RESSLER MEMORIAL SCHOLARSHIP.—Founded in 1950 by the late Mr. H. R. Ressler for violinists.

MARION MAGOR SCHOLARSHIP.—Founded in 1953 by the family of the late Mrs. R. J. Magor for students entering the Second year of the Bachelor of Music course.

JULIUS BLOCK SCHOLARSHIP.—Founded in 1953 by Mr. J. Julius Block for pianists.

CUMMINGS FOUNDATION SCHOLARSHIP.—Founded in 1954 for pianists.

DONALDA PRIZE.—Founded by a gift of $2,500 from Madame Pauline Donalda.

CONSTANCE HAMILTON MEMORIAL PRIZE.—A prize of $100 has been established by Professor Helmut Blume for senior students preferably in the branch of School Music.

GLADYS GLASSCO MEMORIAL LOAN FUND.—A loan fund for students in the Faculty of Music, established in 1954 by Mr. Gordon B. Glassco in memory of his wife. Application should be made to the Secretary of the Faculty.

FONDATION LES AMIS DE L'ART BURSARY (see page 616).

UNIVERSITY BURSARIES.—Full time students studying for the Licentiate in Music or for the Bachelor of Music degree are eligible for University Bursaries. *For details see page 625.*

J. OPEN TO STUDENTS IN THE FACULTY OF DIVINITY

For Scholarships and bursaries open to undergraduates in all Faculties see page 624.

NATIONAL SCHOLARSHIPS (See page 613).

UNIVERSITY SCHOLARSHIPS (see page 624).

W. M. BIRKS AWARDS.—Three W. M. Birks awards are tenable by students in the Faculty of Divinity who are candidates for the B.D. degree. One of $250 is awarded to an outstanding student entering the First year of the B.D. course, and two, valued each at $100 are awarded to the students who take highest place in the First and Second years of the course, to be paid during the following session, provided the students are then enrolled as candidates for the B.D. degree. Application for the entrance scholarship must be received by the Dean of the Faculty of Divinity accompanied by a complete transcript of the candidate's academic record and three supporting letters of recommendation on or before June 1st.

SAMUEL FINLEY MEMORIAL BURSARY.—This bursary of $100 is available to a student enrolled in the Faculty of Graduate Studies and Research who is pursuing advanced studies in Divinity. Application should be made to the Dean of the Faculty of Divinity on or before June 1st.

HOUSTON SCHOLARSHIP (see page 638).

W. M. BIRKS PRIZE.—A prize of $50 in books awarded to the student who obtains the highest standing in the graduating year.

LOAN FUNDS.—See page 632.

Students of the Faculty of Divinity who are registered also in the Montreal Diocesan Theological College or in the United Theological College will be eligible for prizes, scholarships, and bursaries as announced in the calendars of these institutions.

K. OPEN TO STUDENTS IN MACDONALD COLLEGE

For scholarships and bursaries open to undergraduates in all Faculties see page 624.

OPEN TO STUDENTS IN AGRICULTURE

NATIONAL SCHOLARSHIPS (see page 613).

UNIVERSITY SCHOLARSHIPS (see page 624).

FACULTY SCHOLARSHIPS AND BURSARIES.—The Faculty of Agriculture has a loan bursary fund for degree students in Agriculture and Household Science. For further particulars apply to the Registrar's Office, Macdonald College.

ELIZA M. JONES SCHOLARSHIPS.—Four scholarships have been established by a bequest of the late Frank P. Jones in memory of his mother. They are restricted to students who are entering the B.Sc.(Agr.) course for the first time. They have a minimum value of $300 and a maximum value of $500. Two are reserved for students who are entering the First year of the course and two for students entering the Third year of the course. Application forms may be obtained from the Registrar, and all applications must be made before September 1st. Candidates for First year scholarships are required to submit their complete high school record, their matriculation or High School Leaving marks. Candidates for Third year scholarships are required to present records of their academic attainment for the first two years college work. In all cases the Registrar will ask for the recommendation from officers or faculty members of the school or college attended.

MACDONALD COLLEGE ALUMNI BURSARIES.—Two bursaries of $200 each are offered by the Macdonald Branch of the McGill Graduates' Society. One bursary is open to a student entering the B.Sc.(Agr.) course, the B.Sc.(H.Ec.) course, or the B.Ed. course. The other bursary is open to students entering the Second year of one of these courses. The winner of the entrance bursary in First year will be considered along with other applicants for the Second year bursary. Application should be made to the Registrar's Office, Macdonald College, before September 1st, on forms provided.

QUEBEC WOMEN'S INSTITUTE BURSARY.—The Institute provides a bursary of $100 to the student entering the Second year of the Diploma Course in Agriculture at Macdonald College, who—

(1) is a professional farmer's son, or daughter, from the Province of Quebec.

(2) has spent at least one season (seed time to harvest) in his father's employ on the farm,

(3) intends to return to his father's farm for at least one year on completion of his course (or to manage his own farm),

(4) and who, if more than one caidate presents himself as fulfilling the above three requirements, takes the highest proficiency in agricultural subjects in the First year or, if he is the only candidate, he obtains at least Class II standing in these subjects.

If no student can qualify for the above, this bursary will be made available as an entrance bursary to the First year of the Diploma Course.

NOVA SCOTIA AGRICULTURAL COLLEGE SCHOLARSHIP.—Macdonald College offers an entrance scholarship of $600 to the student of the Nova Scotia Agricultural College obtaining the highest standing in the work of the Second year of the degree course in that College and subsequently registers in the Third year of the degree course in Agriculture at Macdonald College. The scholarship will be paid in two instalments, half at the beginning of the Third year and half at the beginning of the Fourth year.

FISHER TRUST FUND.—In memory of the late Honourable Sydney A. Fisher, formerly Member of Parliament for Brome County and Minister of Agriculture, Canada, two agricultural scholarships of $75 a year each tenable at Macdonald College for two years are offered, for the Diploma Course in Agriculture, on the following conditions:—

1. The candidates must be sons of farmers in the County of Brome, co-operating in farm activities during the period of their college course.

2. The candidates must be at least sixteen years of age.

3. The candidates must have passed at least grade IX of the High School course.

4. These scholarships will be continued from term to term only upon favourable reports from the Dean of the Faculty of Agriculture.

Applications must be sent, on or before the 1st of October, to the Chairman of the Fisher Trustees, R. F. Cowan, Mansonville, Que.

MORRIS W. WILSON MEMORIAL SCHOLARSHIPS (see page 614).

CANADIAN PACIFIC RAILWAY SCHOLARSHIPS (see page 617).

GENERAL MOTORS SCHOLARSHIPS (see page 615).

DISTRICT OF BEDFORD GRADUATES' SOCIETY SCHOLARSHIP (see page 620).

OTTAWA VALLEY GRADUATES' SOCIETY BURSARY (see page 616).

ST. FRANCIS DISTRICT GRADUATES' SOCIETY BURSARY (see page 620).

MONTREAL BRANCH, CANADIAN WOMEN'S PRESS CLUB SCHOLARSHIP IN JOURNALISM (see page 629).

CHRISTIE-STORER SCHOLARSHIP (see page 621).

ISABELLA C. MACRAE SCHOLARSHIP (see page 621).

LEONARD FOUNDATION SCHOLARSHIPS (see page 628).

KHAKI UNIVERSITY AND Y.M.C.A. MEMORIAL SCHOLARSHIP FUND (see page 628).

B'NAI B'RITH BURSARIES (see page 626).

FREDERICK SOUTHAM KER BURSARY (see page 627).

PRIZES AND MEDALS

ROBERT RAYNAULD PRIZES.—Four prizes are offered by Robert Raynauld, M.S.A.'28, publisher of *La Ferme*. Two prizes, of $60 and $40 respectively, are awarded to the students standing first and second in course Agronomy 442—Project. The decision is based on both written and oral presentation. Two prizes of $60 and $40 respectively are awarded to the students standing first and second in the examinations of the Third year of the Agronomy Option.

CHEMICAL INSTITUTE OF CANADA PRIZE.—The Chemical Institute of Canada offers a prize of books to the value of $25 to the student in the Chemistry Option with the highest standing at the end of the Third year.

SOCIETY OF CHEMICAL INDUSTRY STUDENT PRIZES (see page 662).

LOCHHEAD MEMORIAL PRIZE.—In memory of her late husband, William Lochhead, B.A., M.Sc., the first Professor of Biology in Macdonald College, Mrs. Lochhead has established by an endowment of $400, a prize to be awarded to the student, majoring in Entomology, who takes the highest standing in the Fourth year. The prize, in value equal to the proceeds of the endowment for one year, is in books selected by the winner with the approval of the Head of the Department of Entomology.

BORDEN COMPANY LIMITED SCHOLARSHIP.—A scholarship of the value of $300 is offered by the Borden Company Limited of Canada to encourage promising students who take a course of study of value to the dairy industry. The award will be made to a student on completion of his Third year, half payable at the beginning of the first term of the Fourth year, the balance at the beginning of the second term. The following factors will be considered in making the award: high standing in the subjects of his course during the Third year with emphasis on dairying, dairy chemistry, or dairy bacteriology; participation in student organizations and college activities; co-operation with students and staff in the advancement of the interests of the student body and the College as a whole.

I.O.D.E. PRIZE.—As a recognition of the value of agricultural education in their Province and Country, the Imperial Order Daughters of the Empire, Quebec Provincial Chapter, gives a prize of $200, tenable during the Third and Fourth years of the B.Sc. (Agr.) course, to the British student who obtains the highest marks in the final examinations of the Second year. The award is payable to the winning student in two instalments of $100 each at the beginning of his Third and Fourth years respectively.

CLASS OF 1953 BOOK PRIZE.—Graduates of the class of 1953 (Agriculture and Household Science) have established a fund, the proceeds of which are used to provide a prize in books for the student with the highest standing in all the courses of the Second year curriculum. The prize will be awarded in the B.Sc.(Agr.) course in odd-numbered years; in the B.Sc. (H.Ec.) course in even-numbered years.

STEINBERG PRIZES.—Two prizes of $100 each are awarded annually by Steinberg's Limited to students in the Third year of the B.Sc. (Agr.) course. One is awarded to the student ranking first in the Animal Husbandry option, and the other to the student ranking first in the Horticulture option.

GOVERNOR GENERAL'S MEDAL.—His Excellency the Governor General of Canada donates a bronze medal to be awarded to the student of the B.Sc. (Agr.) course who ranks highest in the graduating class.

LIEUTENANT-GOVERNOR'S MEDAL.—His Honor the Lieutenant-Governor of the Province of Quebec donates annually a gold medal, which is awarded to the student who ranks highest in the Third year of the B.Sc.(Agr.) course.

MACDONALD MEDALS.—As a tribute to Sir William Macdonald, and in recognition of academic achievement, Mr. and Mrs. Walter M. Stewart of Montreal have donated two medals for annual competition, one medal to be awarded to the student with the highest aggregate standing in the First year, and one to be similarly awarded in the Second year of the B.Sc.(Agr.) course.

STERN CUP.—Sir Edward D. Stern, Fan Court, Chertsey, Surrey, England, has donated a silver challenge cup, which is held for one year by the student who makes the highest aggregate in Stock Judging in the final year of the subject.

CUTLER SHIELD.—Mr. Garnet H. Cutler, Professor of Agronomy, Purdue University, Lafayette, Indiana, the first lecturer in Cereal Husbandry, Macdonald College, has donated a bronze challenge shield, which is held for one year by the student majoring in Agronomy, who makes the highest aggregate in the final year.

CONKLIN TROPHY.—Dr. Raymond L. Conklin has donated a trophy to be held for one year by a student in any year of the B.Sc.(Agr.) course who has, in any one session, played on the College football team and in one other team sport and who, in the same year, has maintained high academic standing. The winner's name will be engraved on a shield on the trophy which will be awarded only once to any individual.

LA FERME PRIZE.—Robert Raynauld, M.S.A., Editor of *La Ferme* magazine, offers a prize of $25 for competition among students of the Second year of the Diploma Course who come from farm homes and who intend to return to farming after graduation. The prize will be awarded to the eligible student who presents the best project.

LIEUTENANT-GOVERNOR'S MEDAL.—His Honour the Lieutenant-Governor of the Province of Quebec, gives annually a silver medal, which is awarded to the student who takes the highest percentage in General Proficiency in the First year of the Diploma Course.

MINISTER OF AGRICULTURE MEDALS.—The Honourable the Minister of Agriculture of the Province of Quebec offers annually two bronze medals in connection with the Diploma Course, Second year class, to be presented to the students ranking first in the Dairy Farming and in the Fruit Farming Groups respectively.

MINISTER OF AGRICULTURE PRIZE.—The Honourable the Minister of Agriculture of the Province of Quebec donates a prize each year to the student graduating in the Diploma course who has shown the greatest general improvement during the two years of the course.

MACDONALD COLLEGE STUDENTS LOAN FUND.—Established in 1938 to assist needy students of the Faculty of Agriculture at Macdonald College. Applications should be made to the Dean.

FACULTY OF AGRICULTURE LOAN FUND (see Macdonald College Announcement).

MACDONALD BRANCH, MCGILL GRADUATES SOCIETY LOAN FUND (see Macdonald College Announcement).

KIWANIS CLUB OF MONTREAL STUDENT LOAN FUND (see Macdonald College Announcement).

OTHER LOAN FUNDS (see page 633).

OPEN TO STUDENTS IN THE SCHOOL OF HOUSEHOLD SCIENCE

NATIONAL SCHOLARSHIPS (see page 613).

UNIVERSITY SCHOLARSHIPS (see page 624).

FACULTY BURSARIES (see page 682).

MACDONALD COLLEGE ALUMNI BURSARIES (see page 682).

I.O.D.E. BURSARY.—The Imperial Order Daughters of the Empire offers a bursary of $200 to a British student who has successfully completed the Second year of the B.Sc. (H.Ec.) course and has obtained satisfactory standing. The bursary is offered to aid a worthy student who is in need of financial assistance in order to complete her studies. It is payable in two equal instalments at the beginning of the Third and the Fourth years of the course. Other considerations being equal, preference will be given to a candidate from rural Quebec. Application must be made to the Registrar before October 1st, on forms supplied by the College.

MONTREAL HOME ECONOMICS ASSOCIATION BURSARY.—The Montreal Home Economics Association offers a bursary of $150 open to a deserving student in one of the senior years of the B.Sc.(H.Ec.) course. Application should be made to the Registrar, Macdonald College, before October 1st.

DISTRICT OF BEDFORD GRADUATES' SOCIETY SCHOLARSHIP (see page 620)

ST. FRANCIS DISTRICT GRADUATES' SOCIETY BURSARY (see page 620).

GENERAL MOTORS SCHOLARSHIPS (see page 615).

MONTREAL BRANCH, CANADIAN WOMEN'S PRESS CLUB SCHOLARSHIP (see page 629).

OPEN TO ALL WOMEN STUDENTS

JANET MORISON ROBB BURSARY FOR WOMEN.—This bursary was established, by an endowment of $2,000, by the late Honourable James A. Robb, formerly Member of Parliament for Chateauguay-Huntingdon and Minister of Finance, Canada, in memory of his deceased daughter, Janet Morison Robb, wife of Hugh Harvie Donald. The annual bursary will be the income from the endowment for one year. Preference will be given to women students resident in either of the counties of Chateauguay-Huntingdon, or Beauharnois, who are daughters of widowed mothers of

limited or moderate means, or daughters of widowers in similar financial circumstances, or daughters of disabled Canadian soldiers who have seen active service.

Candidates for this bursary are requested to make written application addressed to the Registrar's Office, Macdonald College, Que., *on or before 15th April*, giving full particulars of the grounds upon which their applications are based, and to provide letters from two responsible persons in support of their claims.

PRIZES AND MEDALS

GOVERNOR GENERAL'S MEDAL.—A medal to be awarded to the student who ranks highest in the graduating class of the B.Sc.(H.Ec.) course.

LIEUTENANT-GOVERNOR'S MEDALS.—

(1) *A gold medal*, to be awarded to the student who ranks highest in the Third year of the B.Sc.(H.Ec.) Course.

(2) *A silver medal*, to be awarded to the student who ranks highest in the practice teaching option in the Fourth year of the B.Sc.(H.Ec.) Course.

STEWART MEDALS.—The Stewart Medals, which are named in recognition of the long and continued support and interest of Mr. and Mrs. Walter M. Stewart in the academic progress and welfare of Macdonald College students, are awarded annually for academic achievement to the students ranking highest in the First and Second years of the B.Sc. (H.Ec.) course.

HARRISON PRIZE.—A prize established by an endowment of $300 under the will of the late Dr. F. C. Harrison, Principal of Macdonald College from 1910 until 1926; awarded to the student of the B.Sc.(H.Ec.) course who graduates with the highest standing.

CLASS OF 1953 BOOK PRIZE (see page 685).

HOME ECONOMICS CLUB PRIZE.—The Home Economics Club of Macdonald College offers a prize of $25 to the student with the highest aggregate in Household Science subjects during her Second and Third years. The award will be made at the end of the Third year.

MRS. ALFRED WATT MEMORIAL PRIZE.—A Prize has been established by the Quebec Women's Institutes as a memorial to a distinguished Canadian, Mrs. Alfred Watt, M.B.E., who introduced the idea of Women's Institutes in England and Wales and was President of the Associated Country Women of the World from 1930 to 1947. This prize, valued at $100 annually, is awarded to a student from rural Quebec in the

Second, Third or Fourth year of the B.Sc. (H.Ec.) course who shows qualities of leadership and is worthy of financial encouragement to complete her course.

FREDERICA CAMPBELL MACFARLANE PRIZE.—A prize has been donated by the Quebec Women's Institutes in memory of the late Frederica Campbell Macfarlane, graduate in Institution Administration, 1912, Superintendent of Quebec Women's Institutes from 1913 to 1919. This prize of $100, is open only to students from a rural district of the Province of Quebec, and is awarded on the results of the final examinations in any one of the first three years of the B.Sc. (H.Ec.) course.

LOAN FUNDS (see Macdonald College Announcement).

L. OPEN TO STUDENTS IN THE INSTITUTE OF EDUCATION

For scholarships and bursaries open to undergraduates in all Faculties see page 624.

SCHOLARSHIPS AND BURSARIES

NATIONAL SCHOLARSHIPS (see page 613).

UNIVERSITY ENTRANCE SCHOLARSHIPS (see page 613).

J. W. MCCONNELL MEMORIAL SCHOLARSHIPS (see page 614).

MORRIS W. WILSON MEMORIAL SCHOLARSHIPS (see page 614.)

GENERAL MOTORS SCHOLARSHIPS (see page 615).

OTHER ENTRANCE SCHOLARSHIPS (see page 612 to 624).

I.O.D.E. BURSARIES.—The Municipal Chapter I.O.D.E. offers two bursaries, one of $350 and one of $200, tenable in the Institute of Education, Macdonald College. The awards are made by a committee of the Municipal Chapter on the basis of scholarship and need. Applications are to be sent to the Educational Secretary, The Municipal Chapter of Montreal, I.O.D.E., 4112 Western Ave., Westmount, Quebec.

VERDUN WOMEN'S CLUB HARRIET MORRIS MEMORIAL BURSARY.—This bursary of $100 is tenable for one year and is awarded annually by the Verdun Women's Club in memory of the co-founder of the Club, Harriet Morris, to a woman student who has completed Grade XI in the Verdun High School and who plans to enter the Macdonald College Institute of Education. The award is based on academic record, character, and financial need.

SARAH EMMA HILL SCHOLARSHIP.—The Sarah Emma Hill Scholarship, endowed by the late Mrs. Sarah Emma Hill, of Stanstead, Que., of the present value of about $100, will be awarded each year to a student in the Institute of Education "where assistance is required,—this money to be used by the Trustees of Macdonald College according to their best judgment." Candidates for this scholarship are requested to make written application to the Director of the Institute of Education, on or before September 30th, giving full particulars of the grounds upon which their applications are based, and to provide letters supporting their claims from two responsible persons. In making the award, consideration will be given to scholarship and professional ability as indicated by the standing at the end of the autumn term.

MACDONALD TEACHERS' ALUMNI ASSOCIATION SCHOLARSHIP.—This scholarship is awarded to the person deemed to be the best all round student. Selection of the winner is made by the Director of the Institute of Education and the President of the Alumni Association. The scholarship *must* be used to further the winner's educational studies, and will be held in trust for the winner for a period of not more than five years. When circumstances permit, two scholarships will be offered in the same year.

ESTELLA HOLMES SCHOLARSHIP.—The Women's Institute of Stanstead County offers a scholarship of $100 to a student from Stanstead County who is entering the Institute of Education. Applications should be sent, not later than August 15th to Mrs. R. G. Conner, County Secretary, Stanstead Women's Institute, North Hatley, Que.

JANET MORISON ROBB BURSARY FOR WOMEN.—Open to all women students (see page 687).

DU PONT COMPANY OF CANADA (1956) LIMITED SCHOLARSHIP.—This scholarship of $1,500 is awarded to a graduate in an honours course in science or in a course in which science or mathematics has been a major subject, intending to prepare for science teaching in secondary schools. The scholarship is increased by $600 if the student is a married man. Application should be made to the Director, Institute of Education, before May 1st.

DAVID C. LOGAN MEMORIAL SCHOLARSHIP.—This scholarship of $100 is available to students of Grade XII entering the Institute of Education and to students now completing their freshman year in the Institute of Education. Application should be made by May 15th to Miss Norma Lowe, Secretary, Administrating Committee, 4620 Decarie Blvd., Apt. 11, Montreal, Quebec.

PAPINEAU COUNTY SCHOLARSHIP.—Two scholarships of $200 and $300 respectively are available to students obtaining 60% in Grade XI at Buckingham High School or 70% and taking Senior Matriculation in

a recognized institution. Applications in writing should be made to the Secretary-Treasurer, Papineau County Protestant Central School Board, Box 850, Buckingham, Quebec.

W. E. DUNTON MEMORIAL SCHOLARSHIP.—A scholarship of $300 is awarded annually to a student in the Greater Montreal Board area. The holder must teach in Board schools for two years after graduation. Applications should be made to the Protestant School Board of Greater Montreal, 3460 McTavish St., Montreal.

CHAMBLY COUNTY TEACHERS' ASSOCIATION SCHOLARSHIP.—The Chambly County Teachers' Association will award a scholarship of $150 annually to a graduate of Chambly County High School entering the Institute of Education. This scholarship will be awarded on the basis of scholarship, leadership, personality and character, punctuality, and financial need, where other factors are equal. Application should be made to the President of the Chambly County Teachers' Association by June 25th.

PROVINCIAL GOVERNMENT BURSARIES.—Provincial Government Bursaries of $200 each are offered to students with satisfactory standing in need of financial assistance. Application must be made on forms supplied either by the Department of Education or the Director of the Institute of Education, and must be submitted to the Director of Protestant Education before September 1st.

PROTESTANT SCHOOL BOARD OF GREATER MONTREAL BURSARIES.—The Protestant School Board of Greater Montreal offers a number of bursaries to the graduates of schools under its jurisdiction. Application should be made to the Director of Education, Protestant School Board of Greater Montreal, 3460 McTavish St., Montreal 1.

PROVINCIAL ASSOCIATION OF PROTESTANT TEACHERS BURSARIES.—The Provincial Association of Protestant Teachers offers a number of bursaries on the basis of scholarship and need. Applications should be made to the Executive Director, Provincial Association of Protestant Teachers, 2100 St. Mark St., Montreal 25, Quebec.

KAY KERRY CHAPTER I.O.D.E. BURSARY.—The Kay Kerry Chapter, I.O.D.E., offers an annual bursary of $200 to the student in the Institute of Education resident in the towns of Pointe Claire or Beaconsfield. The holder may be registered in any of the degree or diploma courses and the bursary is renewable. Application should be made to the Chairman, Bursary Committee, Kay Kerry Chapter, I.O.D.E., Pointe Claire, Quebec, not later than June 1st.

MONTREAL DAY NURSERY SCHOLARSHIP.—A scholarship of $500, payable in four instalments, is offered by the Montreal Day Nursery to a student wishing to specialize in nursery school teaching. The student will register in the Bachelor of Education course, following the Kindergarten Specialist curriculum during the first two years, specializing in early childhood education during the final two years of the course. Application should be made to the Director, Institute of Education.

KIWANIS CLUB OF DORION-VAUDREUIL BURSARY.—The Kiwanis Club of Dorion-Vaudreuil offers a bursary of $150, tenable by a student in the Institute of Education residing in the counties of Vaudreuil-Soulonges and that part of the county of Jacques Cartier of Riviere des Prairies and west of the eastern boundary of Pointe Claire. Application should be addressed to the Director, Institute of Education, before September 1st of each year.

FEDERATION OF PROTESTANT WOMEN TEACHERS OF GREATER MONTREAL BURSARIES.—The Federation of Protestant Women Teachers of Greater Montreal offers a number of bursaries tenable in the Institute of Education. These bursaries are open to worthy girls from low or middle income families who would find it difficult otherwise to take a two-year Second Class Diploma course or to enter the degree course in Education. Applications should be made to the Federation of Protestant Women Teachers, 2100 St. Mark St., Montreal, by May 2nd.

ZONTA BURSARY.—This bursary of $150 may be regarded as a loan and paid back by the student if desired. Applications should be made to Miss Annie S. D. Gray, 218 Metcalfe Ave., Westmount, Quebec.

DISTRICT OF BEDFORD TEACHERS' ASSOCIATION BURSARY.—The District of Bedford Teachers' Association will award a bursary of $75 annually to a deserving graduate of Bedford, Cowansville, Granby, or Waterloo High Schools entering the Institute of Education. Applications should be made to Miss C. Elizabeth Griffin, P.O. Box 428, Waterloo, Quebec.

MACDONALD COLLEGE ALUMNI BURSARIES (see page 682).

A. S. LAMB SCHOLARSHIPS.—These scholarships, endowed by friends of Dr. Arthur S. Lamb, formerly Director of the School of Physical Education and of the University Department of Athletics, Physical Education, and Recreation, as a tribute to his work in these fields, were offered for the first time in 1951. There are two scholarships of $100 each, tenable, one by a man and one by a woman, in the final year of the Bachelor of Education in Physical Education course. They are awarded by a small committee who will take into account both the academic record and the personal qualities of the students eligible. No applications for these scholarships are necessary.

In addition to the above two scholarships, one A. S. Lamb scholarship of $100 is open to any student who, having completed at least one year of the undergraduate course, is proceeding from First into Second year, or from Second into Third year. This scholarship will be awarded by the same Committee, on the basis of scholastic ability, personal qualities and financial need. No application is necessary.

PRIZES AND MEDALS

LIEUTENANT-GOVERNOR'S GOLD MEDAL.—Awarded to the student standing highest among those graduating with Great Distinction in the B.Ed. course.

GOVERNOR-GENERAL'S BRONZE MEDAL.—Presented by His Excellency the Governor-General of Canada. Awarded to the teacher-in-training with the highest standing in the Art of Teaching.

ETHEL WALKEM JOSEPH PRIZE.—The Wolfe and Montcalm Chapter of the Imperial Order Daughters of the Empire has endowed an annual prize of $25 in the First Class Diploma course as a tribute to the late Mrs. Henry Joseph, Regent of the Chapter.

PROTESTANT HIGH SCHOOL WOMEN TEACHERS ASSOCIATION OF GREATER MONTREAL PRIZE.—A prize of $100 awarded to the woman student attaining the highest standing in the First Class Diploma course.

GOLD MEDAL.—A gold medal is awarded to the student demonstrating the highest general proficiency throughout the B.Ed.(P.E.) course.

LIEUTENANT-GOVERNOR'S GOLD MEDAL.—This medal is awarded to the student with the highest standing in the sessional examinations in the B.Ed. (P.E.) course.

GARDNER KNEELAND MEMORIAL PRIZE IN ENGLISH.—Established by an endowment of $200, by the late Professor A. W. Kneeland, M.A., B.C.L., in memory of his father. Awarded to the teacher-in-training with the highest standing in English.

A. KIRK CAMERON PRIZE IN PRIMARY METHODS.—Presented by A. Kirk Cameron, a member of the Council of Education. Awarded to the teacher-in-training with the highest standing in Primary Methods.

DR. S. P. ROBINS MEMORIAL PRIZE.—Established by an endowment of $500, by Miss Lilian B. Robins, B.A., former lecturer in Mathematics, School for Teachers, Macdonald College, in memory of her father, who was first Professor of Mathematics, 1857 and, later, Principal of McGill Normal School, Montreal, until 1907. The income from the endowment for one year will be awarded to the student who obtains a diploma, and is the

most deserving student from the point of view of personality, professional attainments, and home circumstances.

R. D. A. TEACHERS' ASSOCIATION PRIZE.—A prize in books offered by the Richmond-Drummond-Arthabaska Protestant Teachers' Association to the teacher-in-training from the R.D.A. area with the highest academic standing.

Note:—*Prizes are awarded only to students who obtain diplomas in the specified class.*

KINDERGARTEN CLASS

CANON SCOTT CHAPTER, I.O.D.E., PRIZE.—Awarded to the teacher-in-training with the highest aggregate in the Kindergarten Class.

SECOND CLASS DIPLOMA

SUPERINTENDENT OF EDUCATION'S MEDAL.—Awarded to the teacher-in-training with the highest aggregate in the Second Class Diploma course.

LIEUTENANT-GOVERNOR'S GOLD MEDAL IN MATHEMATICS.—Presented by His Honour the Lieutenant-Governor of the Province of Quebec. Awarded to the teacher-in-training in the Sophomore Class with the highest standing in Mathematics.

LIEUTENANT-GOVERNOR'S SILVER MEDAL IN MATHEMATICS.—Presented by His Honour the Lieutenant-Governor of the Province of Quebec. Awarded to the teacher-in-training in the Freshman Class of the Second Class Diploma course with the highest standing in Mathematics.

J. C. WILSON PRIZE.—Awarded to the teacher-in-training with the highest aggregate in the Second Class Diploma course.

DIRECTOR OF PROTESTANT EDUCATION PRIZE.—Awarded to the teacher-in-training with the second highest aggregate in the Second Class Diploma course.

DIRECTOR OF PROTESTANT EDUCATION PRIZE IN FRENCH.—Awarded to the teacher-in-training in the Second Class Diploma course with the highest standing in French.

LE COMITÉ DE L'ALLIANCE FRANÇAISE DE MONTRÉAL SILVER MEDAL.—Awarded to the teacher-in-training in the Second Class Diploma course with the highest standing in the First year general French course.

BISHOP OF MONTREAL PRIZE IN SCRIPTURE.—Awarded to the teacher-in-training in the Second Class Diploma course with the highest standing in Scripture.

FEDERATION OF PROTESTANT WOMEN TEACHERS OF MONTREAL PRIZE.—Awarded to the teacher-in-training in the Second Class Diploma course with the highest standing in History and Geography.

MILTON HERSEY PRIZE IN SCIENCE.—Established by an endowment of $250 by Milton L. Hersey, M.A.Sc., LL.D., formerly a member of the Council of Education. Awarded to the teacher-in-training in the Second Class Diploma course with the highest standing in Science.

HONOURABLE JACOB NICOL PRIZE.—Presented by the Honourable Jacob Nicol, Q.C., M.L.C., D.C.L., formerly a member of the Council of Education. Awarded to the teacher-in-training with the second highest aggregate in the Freshman class of the Second Class Diploma course.

THIRD CLASS DIPLOMA

J. C. WILSON PRIZE.—Awarded to the teacher-in-training with the highest aggregate in the Third Class Diploma course.

LE COMITÉ DE L'ALLIANCE FRANÇAISE DE MONTRÉAL BRONZE MEDAL.—Awarded to the teacher-in-training in the Third Class Diploma course with the highest standing in general French.

BISHOP OF MONTREAL PRIZE IN SCRIPTURE.—Awarded to the teacher-in-training in the Third Class Diploma course with the highest standing in Scripture.

MILTON HERSEY PRIZE IN SCIENCE.—Established by an endowment of $250 by Milton L. Hersey, M.A.Sc., LL.D., formerly a member of the Council of Education. Awarded to the teacher-in-training in the Third Class Diploma course with the highest standing in Science.

LOAN FUNDS

STUDENT TEACHERS' SOCIETY LOAN FUND.—Established in 1954 by a donation from the Student Teachers' Society to assist students who are registered in the Institute of Education. Applications should be made to the Director, Institute of Education, Macdonald College.

ST. GEORGE'S LODGE NO. 10 A.F. & A.M. LOAN FUND.—Established in 1955 by a donation of $500 to assist students who are registered in the Institute of Education. Applications should be made to the Director, Institute of Education, Macdonald College.

STANSTEAD COUNTY CENTRAL SCHOOL BOARD LOAN FUND.—The Protestant Central School Board of Stanstead County offers a loan of $500 available to students in the final year of the Bachelor of Education course or to students completing the requirements of Second or Third Class Diplomas.

The student is required to repay the loan in monthly instalments over a one or two year period and remain in the employ of the Stanstead School Board until the loan is repaid. Applications should be made to the Stanstead County Central School Board, Princess Elizabeth High School, Magog, Quebec.

PROTESTANT SCHOOL BOARD OF GREATER MONTREAL LOAN FUND.—The Protestant School Board of Greater Montreal makes loans available to students intending to enter the service of the Board. Application should be made to the Director of Education, Protestant School Board of Greater Montreal, 3460 McTavish St., Montreal.

PROVINCIAL ASSOCIATION OF PROTESTANT TEACHERS LOAN FUND.—The Provincial Association of Protestant Teachers offers loans of not more than $300 per annum. Priority is given to students applying for the first time and to those not eligible for other bursaries. Loans are repayable when the student begins teaching. Application should be made to the Student Loan Committee, P.A.P.T., 2100 St. Mark St., Montreal.

IV. GRADUATE FELLOWSHIPS AND SCHOLARSHIPS

For scholarships and bursaries open to undergraduates in all Faculties see page 624.

DEMONSTRATORSHIPS AND INSTRUCTORSHIPS.—In several departments graduate students are eligible for demonstratorships and instructorships. Information concerning these may be obtained from the Chairman of the Department concerned.

FELLOWSHIPS AND SCHOLARSHIPS.—The following list of graduate awards is divided into three sections: A, tenable during graduate study at McGill University only; B, tenable either at McGill University or elsewhere; C, a partial list of travelling fellowships and scholarships for which graduates of McGill University may be eligible. In each of these sections the awards are listed in alphabetical order of the undergraduate faculties from which applicants may have proceeded. In Section D are collected the names of awards for which graduates of other universities who wish to pursue advanced studies at McGill may be eligible. It is to be noted that not all awards listed are open for competition each year; further, an award which is open for competition may not be granted if none of the applications is considered meritorious. As changes of deadline dates for such fellowships are frequent, applicants are urged to check with the Dean's or the Registrar's Office.

Applications for fellowships and scholarships should be made by letter, except in the cases where they are to be directed to the Dean of the Graduate Faculty who will supply application forms; applicants should simultaneously apply for admission to the Faculty, unless this has been previously granted.

A. FELLOWSHIPS AND SCHOLARSHIPS TENABLE AT McGILL UNIVERSITY ONLY

(*See also Section B*)

OPEN TO GRADUATES IN TWO OR MORE FACULTIES

ALUMINIUM LABORATORIES LIMITED FELLOWSHIP.—This award of $1,600 (eleven months) or $1,100 (eight months) plus fees, plus a grant to the Department for research expenses, is open to graduates of any university who have been admitted to McGill as resident candidates for a Master's or Doctor's degree in Physical Metallurgy and related subjects, and is renewable. Applications should reach the Dean of the Graduate Faculty before February 1st.

AMERICAN VISCOSE CORPORATION FELLOWSHIP IN CELLULOSE CHEMISTRY.—This fellowship of $2,500 per annum may be granted to a graduate of any recognized university who is a British or American subject and is to carry out research on esters or ethers of cellulose in the Division of Industrial and Cellulose Chemistry, located in the Pulp and Paper Research Institute. Applications should be sent to Professor C. B. Purves not later than February 1st.

C-I-L FELLOWSHIPS.—Two postgraduate fellowships in Chemistry, each of the value of $2,000, each with an additional grant of $400 for research expenses, and tenable in the Department of Chemistry were established in 1941 by Canadian Industries Limited. These fellowships are known as the C-I-L Fellowships and are open to university graduates who are Canadian citizens or to university graduates who are intending to follow a career in Canada. Preference is given to Canadian citizens. Normally the fellowships will be tenable for one year only, but in special cases they may be renewed for a second year. Application should be made in writing to the Chairman of the Department of Chemistry not later than February 1st.

J. B. COLLIP FELLOWSHIPS IN MEDICAL RESEARCH.—Up to three fellowships of $3,000 each are awarded for study at McGill in Anatomy, Bacteriology, Biochemistry, Histology, Pathology, Pharmacology, or Physiology.

Candidates must hold the M.Sc. or Ph.D. in one of these subjects, or a degree in medicine, from a recognized university. Graduates of the McGill medical faculty may be permitted to hold the fellowship at an approved institution elsewhere. Application should be made before February 1st to the Secretary of the Faculty of Medicine, from whom application forms and further particulars may be obtained.

COMINCO FELLOWSHIP.—The Consolidated Mining and Smelting Company of Canada, Limited, offers annually a fellowship of $1,000 for research in some field of pure or applied science preferably related to the mining, metallurgical, or chemical industry; an additional grant up to $500 may be made for research expenses or for continuance of the investigation. The fellowship is open to graduates of any approved university, in Science, Engineering or Agriculture, who will normally be proceeding towards a higher degree at McGill. Canadian applicants are preferred. The topic of research will be selected in consultation with the donors and with the Dean of the Faculty of Graduate Studies, to whom application should be made not later than February 1st.

COMMUNITY PLANNING FELLOWSHIPS.—Fellowships of $1,500 are available for Canadian graduates of any approved university who are seeking a McGill Master's degree in Geography, Architecture, Economics, Civil Engineering, Law, Political Science, or Sociology, and who are prepared to participate in the programme of research and study in community planning that is sponsored by these departments. These fellowships are granted by Central Mortgage and Housing Corporation, Ottawa, to whom enquiries should be addressed.

EXCHANGE FELLOWSHIP WITH THE UNIVERSITY OF GLASGOW (see page 713).

GOTTESMAN SCHOLARSHIP.—The D. S. and R. H. Gottesman Foundation offers a scholarship of $1,500 per year for research in any field of science or engineering on a topic of interest to the pulp and paper industry. The candidate must be an American, a Canadian, or a citizen of the British Commonwealth, and a graduate of a recognized university. He will be expected to register at McGill as a candidate for a higher degree. The award is made by the Education Committee of the Pulp and Paper Research Institute and applications should be addressed to the Chairman of that Committee not later than May 1st.

HAROLD H. HELM FELLOWSHIPS.—These fellowships are restricted to men who hold a Bachelor's degree from Princeton University and are tenable in any Department of the Graduate Faculty, or in a professional Faculty at McGill. Their value is $1,400 to $1,800, plus fees, plus an additional grant if studies are continued during the summer. Letters of application should reach the Dean of the Graduate Faculty at McGill by February 1st.

HAROLD HIBBERT MEMORIAL FELLOWSHIP.—This fellowship, the value of which is approximately $4,000, is open to candidates who hold a Ph.D. in Chemistry from an approved university or have equivalent qualifications, and is tenable for one calendar year in the Department of Chemistry at McGill University, where the holder is expected to devote his full time to research. It is not renewable. Letters of application should reach the Dean of the Graduate Faculty by February 1st.

WILLIAM HENRY HOWARD SCHOLARSHIPS (see page 657).

T. STERRY HUNT RESEARCH SCHOLARSHIP IN CHEMISTRY.—This scholarship of the value of $600 is open to graduates in Chemistry and Chemical Engineering who have completed the course for the degree of M.Sc., M.Eng. or Ph.D. and have shown high capacity for research. The holder is to assist in the Department as a demonstrator. No application is required.

LEROY MEMORIAL FELLOWSHIP IN GEOLOGY.—This fellowship of $700, established by some friends of Captain O. E. LeRoy (Arts, 1895), who was killed in the battle of Passchendaele, in October, 1917, may be awarded annually to a student who desires to proceed with postgraduate studies in Geology at McGill University. The recipient may be called upon to assist in the teaching work of the Department. The award is made by the Chairman of the Department of Geological Sciences in consultation with the Principal.

ALEXANDER MCFEE FELLOWSHIP.—This fellowship of $1,750 is open to graduates of any approved university who are resident full-time candidates for higher degrees or diplomas at McGill. The award will be made in 1961 in Medical Sciences (with preference for Cancer research), in 1962 in Physics, in 1963 in Chemistry and so on in rotation. Application should reach the Dean of the Graduate Faculty before February 1st.

SIR VINCENT MEREDITH FELLOWSHIP IN AGRICULTURAL ECONOMICS.—This fellowship of $2,500 per year is tenable for a two-year period. Candidates must qualify for admission to graduate work in Economics at the Ph.D. level and will be required to pursue research or thesis work on an approved subject in the area of Agricultural Economics. Limited teaching or other duties attach to the tenure of this Fellowship. Inquiries and applications should be addressed to the Department of Agricultural Economics, Macdonald College, prior to March 15th.

MIRON FELLOWSHIP IN CONCRETE STUDIES.—This fellowship has been established by Miron & Freres Limited for advanced studies in some phase of the concrete industry in the Department of Civil Engineering. This fellowship has an annual value of $900 plus an additional $300 to the University to be used in the best interests of the investigation. Applicants

must be Canadian citizens, normally resident in Canada or those who have taken steps to become Canadian citizens, and graduates in science or engineering of a recognized university. Applications should be made to the Dean of the Graduate Faculty.

SPRUCE FALLS POWER AND PAPER COMPANY LIMITED FELLOWSHIP IN PULP AND PAPER RESEARCH.—This Fellowship of $1,800 sponsored by the Spruce Falls Power and Paper Corporation, Limited, is open to Canadians, or landed immigrants from Commonwealth countries, who are graduates of any approved University and who wish to proceed to a higher degree in any branch of chemistry or engineering or physical science, provided that the proposed research topic is agreed to be relevant by the Pulp and Paper Research Institute. Application should reach the Dean of the Graduate Faculty before February 1st.

SHELL OIL FELLOWSHIP.—This fellowship of $1,200 is offered to a graduate of any approved university proceeding towards a Master's degree or Ph.D. at McGill in one of the following fields: Chemistry, Chemical Engineering, Mechanical or Petroleum Engineering, Geology, Physics, Geophysics. Application should be made to the Dean of the Graduate Faculty not later than February 1st.

SOLVAY FELLOWSHIP.—This fellowship of the annual value of $1,200 plus tuition fees is offered for the first year of study in the Faculty of Graduate Studies and Research. The award is tenable in any Department of the Faculty, and is open to men and women equally. The holder must have graduated in an undergraduate Faculty of McGill University in the session prior to that for which the award is given, and must obtain permission to proceed to graduate study. No teaching duties are required of the holder, who may not hold any other fellowship or bursary, nor receive a salary for teaching or other duties, during his tenure. Applications for this fellowship must be made to the office of the Dean of the Graduate Faculty on or before February 1st in each year.

UNIVERSITY BURSARIES (see page 625).

VARIAN ASSOCIATES OF CANADA LIMITED FELLOWSHIP.—This fellowship of $2,400 for twelve months is open to any Ph.D. candidate in the Department of Physics at McGill University. The purpose of the fellowship is the encouragement of research into those subjects of pure physics which might contribute to the understanding of physical electronics. Applications for this fellowship must be made to the Chairman of the Department of Physics on or before February 1st of each year.

HARRISON WATSON SCHOLARSHIP.—Established in August 1953 by a bequest from the late Harrison Watson and Ruth Appleton Watson in memory of their only son, Captain Aubrey Wentworth Harrison Watson, D.S.O.,

M.C. This scholarship of not less than $1,500 is open to men and women graduates of an approved Faculty of Medicine or the holders of M.Sc. or Ph.D. degrees or approved candidates for Ph.D. degrees at McGill University who have completed one year of research and study toward their degrees. The scholarship is open to candidates who have spent at least one year in postgraduate training. Awards of higher value may be made to candidates with higher qualifications. The scholarship may be renewed for two additional years. Preference will be given to McGill graduates. The purpose of the scholarship is the encouragement of research into the causes and cure of tuberculosis and other diseases of an allied character. The scholarship is tenable only at McGill unless the scholar is a graduate in Medicine of McGill University in which case the work of the scholarship may be undertaken at McGill or at an approved institution elsewhere. The successful candidate is required to devote his full time for at least ten consecutive months to the object of the award. Application forms may be obtained from the Secretary of the Faculty of Medicine and must be submitted not later than February 1st.

DR. JOHN THOBURN WILLIAMSON MEMORIAL FELLOWSHIP IN GEOLOGY.—This fellowship, of $1,200 plus fees, is open to postgraduate students in the Department of Geological Sciences at McGill University. Preference will be given to applicants who are Canadians and graduates of McGill, but not to the exclusion of others. The award will be made by the Faculty of Graduate Studies and Research on the recommendation of the Department of Geological Sciences. Applications should reach the Dean of the Faculty of Graduate Studies and Research before February 1st.

OPEN TO GRADUATES IN AGRICULTURE ONLY

WALTER M. STEWART POSTGRADUATE SCHOLARSHIPS IN AGRICULTURE.—Two scholarships have been established by the donor to permit promising students from the Oka Agricultural Institute and l'Ecole Supérieure d'Agriculture at Ste. Anne de la Pocatière, to undertake postgraduate studies at Macdonald College. One scholarship of $1,000 is available each year to a student from each of these institutions. Application should be made to the Directors of the institutions concerned before May 1st each year. The scholarships will not be awarded to students who would, including this scholarship, be in receipt of scholarships, fellowships, assistantships, etc. to a value of $2,000 or more per annum.

C-I-L FELLOWSHIP IN AGRICULTURE.—A postgraduate fellowship in Agriculture for research related to the agricultural chemicals industry, of the value of $2,000, with an additional grant of $400 for research expenses and tenable at Macdonald College by students proceeding to a Ph.D. degree is offered by Canadian Industries Limited to university graduates who are Canadian

citizens or to university graduates who are intending to follow a career in Canada. Preference is given to Canadian citizens. Normally the fellowship will be tenable for one year only, but in special cases may be renewed for a second year. Upon completion of the year's work, a written report outlining work performed under the fellowship or a copy of the thesis prepared for his degree shall be submitted by the fellow to Canadian Industries Limited. Applications, addressed to the Registrar of Macdonald College, must be made before May 15th each year.

COMINCO FELLOWSHIP (see page 698).

CYANAMID SCHOLARSHIP.—This scholarship of $750, established by Cyanamid of Canada Limited, is awarded to the student who graduates with the highest standing in the Agricultural Engineering option and who proceeds either to Mechanical Engineering in McGill University or to postgraduate work leading to the M.Sc. or Ph.D. degree.

OPEN TO GRADUATES IN ARTS AND SCIENCE ONLY

BACHE & COMPANY FELLOWSHIP.—This fellowship of $1,600 is open to a student whose research topic is in the field of finance. The fellowship is tenable for one year. Application to the Dean of the Graduate Faculty should be made not later than February 1st.

BRONFMAN FELLOWSHIPS IN COMMERCE AND ECONOMICS.—The Graduate Faculty offers two fellowships of $1,700 each to men and women who have graduated in Commerce or in Economics from accredited universities. The holder of the fellowship is entitled to apply again in a subsequent year. Holders will be expected to be in residence at McGill University throughout the academic session, and to be candidates for a higher degree at McGill. A small amount of teaching work may be asked. Application forms can be obtained from the Dean of the Graduate Faculty, and should be returned to the Dean of the Graduate Faculty on or before February 1st. Preference will be given to applicants who have previous research experience.

PHILIP CARPENTER FELLOWSHIP IN ZOOLOGY.—This award of $800 was established in 1892 by Mrs. Philip P. Carpenter to provide "a postgraduate teaching fellowship or scholarship in Natural Science or some branch thereof in the Faculty of Arts of McGill College." The award is normally made to a graduate student who has been in residence for at least one year as a Demonstrator, and the Department of Zoology commonly makes a further award of about $700 to the holder. Application may be made to Professor John Stanley before February 1st.

MARY KEENAN SCHOLARSHIP IN ENGLISH.—This scholarship of $200 is awarded by the Department of English to a student who is proceeding at McGill University from the B.A. to the M.A. in English. The need of the student as well as his ability will be taken into consideration.

SAMUEL LAPITSKY SCHOLARSHIP.—This scholarship of $1,200 plus tuition fees is tenable by a graduate of any accredited university. Tenure is conditional upon acceptance of the student by the Faculty of Graduate Studies and Research in the field of Sociology or Anthropology. The scholarship is tenable in any year of graduate study and may be renewed for a second year. A small amount of teaching work may be required. Application to the Dean of the Graduate Faculty should be made not later than February 1st.

ALEXANDER MACKENZIE FELLOWSHIP IN POLITICAL SCIENCE.—This fellowship of the annual value of $1,200 plus tuition fees is tenable by a graduate of any accredited university. Such tenure is conditional upon the acceptance by the Department of Economics and Political Science of the applicant as being entitled to admission to the Faculty of Graduate Studies and Research in the field of Political Science. A certain amount of tutorial and teaching work will be required of the holder of the fellowship. Under certain conditions, which may be ascertained in consultation with the Department of Economics and Political Science, this fellowship may be held for a second or third year. Each candidate should send (i) a letter of application, (ii) a certified copy of his academic record, (iii) not more than three testimonials. These should reach the Dean of the Graduate Faculty before the 1st of February.

DAVID STEWART MEMORIAL FELLOWSHIPS.—Two fellowships, one in the Physical Sciences and one in the Biological Sciences, have been established by the provision of an endowment under the will of the late Miss Agnes Stewart in memory of her father, the late David Stewart. They will be awarded each year to candidates who demonstrate ability of a high order and who are likely to enter a career of university teaching. For students in the first year of graduate study the value of the fellowships will be $1,400 plus tuition fees, and $1,800 plus tuition fees for students in the upper years. The award will be for one year only but holders will be eligible to apply for renewal. Application should be made to the Dean of the Graduate Faculty not later than February 1st.

ARTHUR C. TAGGE FELLOWSHIP IN THE HUMANITIES AND SOCIAL SCIENCES.—This fellowship of the annual value of $1,200 plus tuition fees is tenable by a graduate of any approved university proceeding to a higher degree in any Department of the Humanities or the Social Sciences. It will normally be awarded for the first year of graduate study and not be

renewable, but exceptions to these rules are not excluded. Applications are invited from outstanding students in the last year of the undergraduate course, at McGill or elsewhere, and should reach the Dean of the Graduate Faculty not later than February 1st.

UNION CARBIDE RESEARCH FELLOWSHIPS.—Two fellowships of $2,000 each in the Physical Sciences have been established by Union Carbide (Canada) Limited and are open to men graduates of Canadian universities who are candidates for the Ph.D. degree and have already done at least one year of graduate work. Application should be made to the Dean of the Graduate Faculty by February 1st.

UNIVERSITY FELLOWSHIPS.—The Board of Governors in 1948 set aside $4,000 annually to establish fellowships in the Humanities and Social Sciences, tenable at McGill by graduates of any approved University who have been admitted to candidacy for a higher degree in these fields including the M.A., M.C.L., LL.M., S.T.M., or Ph.D. The value of each is $500. Application should be made to the Dean of the Graduate Faculty prior to February 1st.

In addition, a limited number of fellowships of the value of $1,200 plus tuition fees for ten months, has been made available from the general funds of the University; holders must be full-time resident graduate students at McGill, duly admitted and in good standing, but there is no restriction as to subject, sex, seniority, or country or university of origin. Application should be made to the Dean of the Graduate Faculty not later than February 1st.

OPEN TO GRADUATES IN DIVINITY ONLY

SAMUEL FINLEY MEMORIAL BURSARY (see page 681).

OPEN TO GRADUATES IN ENGINEERING ONLY

SIR WILLIAM DAWSON FELLOWSHIP IN METALLURGY.—A research and teaching fellowship of $1,100 annually, in the Department of Metallurgical Engineering, endowed in memory of the late Sir William Dawson, Principal of McGill University from 1855 to 1893. If, in any particular year, the Department of Metallurgy has no candidate for this fellowship and for that same year the Department of Mining has a suitable candidate for whom no fellowship is available the Sir William Dawson Fellowship shall become available to the Department of Mining.

JAMES DOUGLAS FELLOWSHIP IN MINING.—A research and teaching fellowship of approximately $1,100 annually, in the Department of Mining Engineering and Applied Geophysics, endowed by the late Dr. James Douglas, is restricted to McGill graduates.

B. J. HARRINGTON BURSARY IN MINING ENGINEERING.—This bursary of approximately $500 a year, supported by graduates in Mining Engineering in memory of the late Professor B. J. Harrington, is awarded annually if a suitable candidate offers, and is restricted to McGill graduates.

MAJOR JAMES H. BRACE RESEARCH SCHOLARSHIPS.—A number of research scholarships, each of the value of $2,000 per annum, will be awarded from time to time. These scholarships are to assist candidates for M.Sc. and Ph.D. degrees in engineering who wish to specialize in problems associated with thermodynamics, heat and mass transfer, hydraulics or aerodynamics, with particular relation to the development of equipment for the conversion of salt water to fresh water or for water pumping using solar or wind energy. Further details may be obtained from the Director of Research, Brace Bequest, Macdonald Engineering Building.

JOHN BONSALL PORTER SCHOLARSHIP.—This scholarship of $200 founded by Dr. W. W. Colpitts (B.Sc., 1899), is open to graduate students proceeding to the degree of M.Eng. in Civil, Mechanical, or Electrical Engineering, preference being given to students in Civil Engineering. Applications should be in the hands of the Dean of the Faculty of Engineering not later than July 30th. In the case of graduates of other universities these must be accompanied by certified statements of academic standing and letters of recommendation.

WADDELL LOAN FUND.—Loans from this fund, which was founded by J. B. Waddell, Esq., may be made to graduate as well as undergraduate students in any Department of Engineering. Application should be made to the Dean of the Faculty of Engineering.

OPEN TO GRADUATES IN MEDICINE ONLY

A. A. BROWNE MEMORIAL FUND.—The sum of $10,000 has been received by the Faculty of Medicine from the committee of the A. A. Browne Memorial Fund. This fund is used either for a fellowship to be known as the "A. A. Browne Memorial Fellowship", or for a grant to a department to provide technical assistance, equipment, and supplies for medical research. The fellowship is open to graduates of any recognized medical school and is for the advancement of medical science, special preference being given to the subjects of Obstetrics and Gynaecology. For further information apply to the Secretary of the Faculty of Medicine.

JAMES COOPER ENDOWMENT FOR THE STUDY AND TEACHING OF INTERNAL MEDICINE.—This fund was established by a bequest from the late James Cooper. The income will be used for fellowships or for grants to departments to provide technical assistance, equipment, and supplies for medical research.

JAMES DOUGLAS FELLOWSHIP IN PATHOLOGY.—The sum of $25,000 was donated by the late Dr. James Douglas, the proceeds to be devoted to co-ordinated research in the laboratories of pathology in or associated with the University.

BLANCHE HUTCHINSON RESEARCH FUND.—This fund was established by a bequest from the late Mrs. Frank L. Hutchinson. The income will be used for fellowships or for grants to departments to provide technical assistance, equipment, and supplies for medical research.

JOSEPH MCABBIE SCHOLARSHIP.—This scholarship of $1,000 was established by a bequest from the late Joseph McAbbie for research on asthma and asthmatic bronchitis. Applications must be made to the Secretary of the Faculty of Medicine prior to February 1st.

GEORGE W. MERCK MEMORIAL LOAN FUND.—Established in 1960 to provide loans up to a maximum of $500 to graduates of any approved medical school who are internes or residents in one of the McGill teaching hospitals. Applications in the first instance should be made to the Director of a teaching hospital who will submit them to the Dean of the Faculty of Medicine.

H. W. MOLSON FELLOWSHIP IN CANCER RESEARCH.—This fellowship has an annual value of not less than $1,000, is renewable for not more than four years, and is open to graduates of any recognized medical school. The course of training and research will be decided by the Strathcona Professor of Pathology and the Professor of Obstetrics and Gynaecology, and will ordinarily comprise one or more years of study in the Pathological Institute followed by clinical research in the Royal Victoria Hospital. Applications should be made to the Dean of the Faculty of Medicine.

FELLOWSHIPS IN NEUROLOGY, NEUROPATHOLOGY, AND NEUROSURGERY.—A limited number of fellowships may be available in the Montreal Neurological Institute, to which inquiries should be directed.

SIR EDWARD BEATTY MEMORIAL SCHOLARSHIPS FOR MEDICAL STUDENTS (see page 672).

GORDON PHILLIPS FUND FOR RESEARCH IN CARDIOVASCULAR DISEASES.—This fund provides a scholarship, having a value of not less than $1,600, and is open to graduates in Medicine of any approved medical school. Candidates will be considered on equal terms regardless of sex, race or religion. Scholarships awarded to graduates of the Faculty of Medicine of McGill University may be held at McGill or at any approved institution in Canada or abroad. An award made to one who is not a graduate in Medicine of McGill University must be held at McGill University. Application for this scholarship must be made to the Secretary of the Faculty of Medicine prior to February 1st.

JEANNETTE VICTOR MEMORIAL SCHOLARSHIP.—This scholarship, of the value of $300, is open to graduates of any approved medical school and who are principally engaged in research upon the physiology of the heart, or its diseases; tenure of this award does not disqualify the scholar from holding another award or position. Application should be made to the Secretary of the Faculty of Medicine, prior to May 1st.

JOSEPH SCHUBERT MEMORIAL SCHOLARSHIP.—The terms of this award of $300 are similar to those of the Jeannette Victor Memorial Scholarship.

B. FELLOWSHIPS AND SCHOLARSHIPS TENABLE AT McGILL UNIVERSITY OR ELSEWHERE

OPEN TO GRADUATES IN TWO OR MORE FACULTIES

RUSSELL J. EDDY FOUNDATION SCHOLARSHIP.—This award, of $1,000 for the session, is tenable by a graduate of a Canadian university pursuing graduate work in Chemistry or Chemical Engineering at any approved institution; applications should be submitted to the Chemical Institute of Canada, 18 Rideau Street, Ottawa, before March 1st.

IMPERIAL OIL GRADUATE RESEARCH FELLOWSHIPS.—Five fellowships of $1,600, renewable up to three years, are offered annually by Imperial Oil Limited to graduates of approved Canadian universities for research leading towards a Doctor's degree at any approved university in the following fields:

Chemistry, Physics and/or Engineering	Two fellowships
Geology	One fellowship
Economics, Psychology, Sociology or Business Administration	One fellowship
Humanities such as English, Ancient and Modern Languages, History, Philosophy	One fellowship

Applications are forwarded by the University at which the undergraduate course was followed, and inquiries should be made at the Registrar's Office not later than February 1st or to the Secretary, Imperial Oil Scholarships Committee, 111 St. Clair Avenue West, Toronto 7. Completed applications must be submitted before March 1st.

McGILL DELTA UPSILON MEMORIAL SCHOLARSHIP.—Founded by the McGill Chapter of the Delta Upsilon Fraternity in memory of the members of that Chapter who gave their lives in the Boer War, the Great War of 1914-18, and the Second World War of 1939-45. This scholarship is open

to graduates of the University in all faculties. The Selection Committee will consider: (a) the general scholarship of the candidate; (b) his need of financial assistance for further study; (c) the general usefulness to the community of the special branch of study he proposes to follow; (d) the likelihood that the candidate will reflect credit on the University. The present value of the scholarship is $1,750. Application should be made in writing to the Registrar before April 1st.

NATIONAL CANCER INSTITUTE RESEARCH FELLOWSHIPS.—Fellowships of from $2,000 to $6,000, normally tenable in Canada, are offered in the field of cancer research to men or women graduates of approved universities. Application must be made on official forms to the National Cancer Institute of Canada, 800 Bay Street, Toronto 5, by December 15th.

NATIONAL RESEARCH COUNCIL SCHOLARSHIPS.—Bursaries and studentships of the value of $1,800 and $2,200 respectively for 12 months are awarded each year by the National Research Council to highly qualified graduates for study and research in Canada in Biology, Chemistry, Physics, Geology, Mathematics, Engineering, and Applied Psychology. They are open on equal terms to men and women, whose age should not exceed 30. Further particulars and application forms may be obtained from the Registrar's Office and applications should be made before February 1st. A limited number of Post-doctorate Overseas Research Fellowships and Special Scholarships for study outside Canada are also available.

INTERNATIONAL NICKEL OF CANADA FELLOWSHIPS.—These awards of $2,000 (plus $500 for research expenses) are renewable up to three years, and are open in the fields of Metallurgy, Mining, Geology, and the Chemistry and Physics of Metals. Applications are made by the Professor directing the research rather than by the student, and should reach the Dean of the Graduate Faculty not later than February 1st; the awards are made by a committee of the National Conference of Canadian Universities.

ONTARIO RESEARCH FOUNDATION SCHOLARSHIPS AND FELLOWSHIPS.—The Ontario Research Foundation (43 Queen's Park, Toronto 5) offers annually a number of postgraduate scholarships and fellowships in science and engineering. These awards are tenable at any university in Ontario by Canadian students from any recognized Canadian university and tenable by Ontario students at universities elsewhere. The purpose of these awards is to enable students to undertake graduate studies leading to advanced degrees in the natural and physical sciences, pure and applied, such as Biology, Chemistry, Engineering, Forestry, Geography, Geology, Mathematics, Metallurgy, Mineralogy, and Physics. Scholarships of $1,000 may be awarded to applicants for their first year of postgraduate research. Scholarships of $1,400 may be awarded to applicants with one or two years' research experience following graduation. Scholarships

in this category may be renewed. A supplement of $800 may be granted for the four months preceding an academic term for which a scholarship has been awarded. Application must be made, on forms obtainable at the Graduate Faculty Office, before February 1st.

PROVINCE OF QUEBEC MINING BURSARIES (see page 660).

PROVINCE OF QUEBEC POSTGRADUATE SCHOLARSHIPS.—These scholarships of the maximum value of $2,000 are available for students pursuing graduate work in the arts, sciences, or technology, in Canada or elsewhere. They are open to men and women who have resided in the Province of Quebec for at least one year. Application must be made, in duplicate, by January 1st, to the Registrar who will forward the application to the Deputy Minister of Youth, Government House, Quebec, Que., not later than February 15th. Application forms are available from the Deputy Minister or from the Registrar's Office.

COMMONWEALTH SCHOLARSHIP AND FELLOWSHIP PLAN.—The Commonwealth Scholarship and Fellowship Plan aims at providing opportunities for Commonwealth students to pursue advanced courses in other Commonwealth countries. The scholarships are intended for men and women of high intellectual promise who may be expected to make a significant contribution to their own countries on their return from study abroad. At present, graduate scholarships are available for study in the United Kingdom, Australia, New Zealand, Hong Kong, Malaya, South Africa, Malta, India, Ceylon, East Africa and Pakistan, and the Canadian Government offers scholarships for other Commonwealth students to study in Canada. Awards will normally be made for a period of two academic years and will cover return transportation, tuition fees, a personal maintenance allowance, and a grant for incidental expenses. Deadline dates for receipt of applications vary according to each country. Full information and application forms may be obtained from the Canadian Universities Foundation, 77 Metcalfe Street, Ottawa 4, Ontario.

OPEN TO GRADUATES IN ARTS AND SCIENCE ONLY

CANADA COUNCIL SCHOLARSHIPS AND FELLOWSHIPS.—The Canada Council offers (a) scholarships of $1,200 tenable by students working for a Master's degree at a Canadian university, (b) fellowships of $2,000 plus travel allowance, for study leading to a Doctor's degree, in Canada or elsewhere, (c) senior fellowships of $4,000 plus travel allowance, for established scholars and teachers for study outside Canada, (d) scholarships of $2,000 for secondary school teachers seeking further training, etc., (e) non-resident fellowships of $2,000 plus travel allowance for study in Canada. In all these cases awards are restricted to the arts, humanities, and social sciences, and are restricted to residents in Canada or Canadians abroad. Application forms and further information may be obtained from the Secretary, The Canada Council, 140 Wellington Street, Ottawa. The

deadline for receiving applications in Ottawa differs in the various categories but in most cases is November 15th.

ALLEN OLIVER FELLOWSHIP IN ECONOMICS.—This fellowship has been established by Mrs. Frank Oliver, of Edmonton, Alta., in "proud and loving memory of her son, the late Allen Oliver, M.C., B.A., Lieutenant, 26th Battery, C.F.A., who was killed in action at the Somme on November 18th, 1916." Lieutenant Oliver was an honour graduate in 1915 in the Department of Economics and Political Science. The fellowship is awarded annually to the student who stands highest in first class honours in the Department of Economics and Political Science at the final B.A. examination, and the holder is required to pursue his studies in Economics and Political Science at McGill University or elsewhere. The present value of the scholarship is about $1,000. No application is required.

LIONEL SHAPIRO AWARD.—An annual award of $600 is awarded by the Scholarships Committee of the Faculty of Arts and Science on the recommendation of the Chairman of the Department of English to a student in the B.A. course who is completing his Fourth year and has demonstrated outstanding literary talent.

DAFOE FOUNDATION POSTGRADUATE SCHOLARSHIPS.—Two scholarships of $2,500 in the field of International Relations awarded by the J. W. Dafoe Foundation, University of Manitoba, Winnipeg, Man., are available to nationals of any country. One award is tenable annually at the University of Manitoba; the other is tenable in alternate years at the University of Toronto and McGill University. In 1962 the second award will be tenable at McGill University. Application should be made to the Registrar of the institution where studies are to be undertaken, with nominations by the institutions to reach the Dafoe Foundation not later than February 1st.

DOW-HICKSON FELLOWSHIP IN THEORETICAL PHILOSOPHY.—This fellowship was endowed by the late Professor J. W. A. Hickson. It has a minimum annual value of $1,750 and is tenable by a graduate of any approved university proceeding to a higher degreee in Theoretical Philosophy (Metaphysics, Epistemology, Logic, History of Philosophy) at McGill, or by a McGill graduate pursuing such studies elsewhere. The holder may apply for a second year of tenure. Applications should reach the Dean of Graduate Studies not later than February 1st. In special cases the stipend may be increased, not to exceed $2,750.

DOW-HICKSON FELLOWSHIP IN PHYSICS.—This fellowship was endowed by the late Professor J. W. A. Hickson. It has a minimum annual value of $1,750 and is tenable by a graduate of any approved university proceeding to a higher degree in any branch of Physics at McGill, or by a McGill graduate pursuing such studies elsewhere. The holder may apply for a second year of tenure. Applications should reach the Dean of Graduate Studies

not later than February 1st. In special cases the stipend may be increased, not to exceed $2,750.

WOODROW WILSON FELLOWSHIPS.—These Fellowships for students interested in careers as college or university teachers in the humanities and social sciences are tenable for the First year of graduate work at any approved university in Canada or the United States. Candidates are not normally permitted to hold a Woodrow Wilson Fellowship at the university from which they received their first degree. These fellowships cannot be applied for. Candidates are nominated by university teachers. Such nominations must be received at dates to be announced early in the Fall. Further information may be obtained from the Registrar's Office.

OPEN TO GRADUATES IN LAW ONLY

EDWIN BOTSFORD BUSTEED SCHOLARSHIP.—Founded by the will of the late Mrs. Edwin Botsford Busteed in memory of her husband, Edwin Botsford Busteed, K.C., B.A., B.C.L., and is awarded to an applicant, chosen by the Faculty, who desires to carry out graduate research on some subject connected with the law of Quebec and approved by the Faculty. The value of the scholarship is approximately $240.

OPEN TO GRADUATES IN MEDICINE ONLY

SIR EDWARD BEATTY MEMORIAL SCHOLARSHIPS FOR MEDICAL STUDENTS (see page 672).

G. RUTHERFURD CAVERHILL FELLOWSHIP IN MEDICINE.—A fellowship of variable value to assist demobilized medical officers to obtain post-graduate training in medicine or research experience. Preference will be given to graduates of McGill University. Enquiries should be made of the Dean of the Faculty of Medicine.

JOHN MCCRAE FELLOWSHIP.—This fellowship of $1,000 may be awarded to candidates of the following types: (1) Graduates of any approved medical school who are candidates for the Diploma in Surgery, Urology, Otolaryngology, Radiology, etc., or (2) McGill graduates in Medicine, or (3) graduates of any approved medical school proceeding towards a McGill M.Sc. or Ph.D. in fields related to Surgery, etc., it being understood in all cases that the holder is expected to spend twelve months in full-time laboratory or clinical research at McGill or an approved institution elsewhere. Applications should be made to the Dean of the Faculty of Medicine not later than May 1st, and should be accompanied by a letter of recommendation from a member of the teaching staff, a transcript of the undergraduate record, and a description of the proposed research indicating the institution selected and the person responsible for its direction. The period of tenure should commence not earlier than June nor later than October; a final report on the work done is required. In all cases preference will be given to candidates aiming at a course in Surgery and to researches likely to contribute to Surgery and its branches.

MEDICAL RESEARCH COUNCIL FELLOWSHIPS.—These fellowships are designed to promote training and research in one of the medical sciences (not for clinical training), and have values of $3,000 for new graduates without interneship to a maximum of $5,000 for those with previous research experience. Applications should be submitted to the Medical Research Council in Ottawa before January 15th.

OSLER MEMORIAL SCHOLARSHIP.—This scholarship is normally awarded by the Canadian Medical Association every third year to a candidate nominated by the Faculty of Medicine "in order that such candidate may pursue studies to advance the knowledge of medicine and to improve the teaching of clinical medicine." Candidates must be graduates of not more than ten years' standing and, other things being equal, preference will be given to a graduate of McGill University.

GORDON PHILLIPS FUND (see page 706).

J. FRANCIS WILLIAMS SCHOLARSHIP IN MEDICINE AND CLINICAL MEDICINE.—This scholarship of the annual value of $500, founded by the late J. Francis Williams, M.D., to be awarded on the result of a special examination open to students of the final year who have had a high general scholastic standing and who are approved by the Chairman of the Department of Medicine.

C. FELLOWSHIPS AND SCHOLARSHIPS TENABLE AT OTHER UNIVERSITIES ONLY

(*See also Section B*)

NOTE: The Committee on Research is at times able to make supplementary grants, not exceeding $400, to holders of travelling fellowships who can establish that the normal stipend is insufficient; enquiries should be directed to the Dean of the Graduate Faculty.

OPEN TO GRADUATES IN SEVERAL FACULTIES

COLONIAL RESEARCH GRANTS.—The Colonial Social Science Research Council, Room S. 612, Colonial Office, Sanctuary Buildings, Great Smith St., London, S.W. 1, will, about June 15th, make grants of £500-£800 per annum to selected Honours graduates in the natural and social sciences, excluding Anthropology, Sociology, History and Political Science. The tenure is normally 2½ years of which two years will be spent in study and research in one of the British Colonial territories.

ROYAL COMMISSION FOR THE EXHIBITION OF 1851 OVERSEAS SCIENCE RESEARCH SCHOLARSHIPS.—These scholarships, of £550 sterling a year, with an additional grant of £25-£100 a year to cover University fees, etc., are tenable for two or exceptionally, three years; to this, the National Research Council of Canada adds an additional stipend of £250. They

are to enable students to devote themselves to research work under conditions must likely to equip them for practical service in the scientific life of the Commonwealth. The holder is required to devote himself to research, the particular nature of which must be approved by the Commissioners. Three of these scholarships, which are tenable at any institution approved by the Commission, are allotted to Canada each year, the scholars being chosen by the Commission from the nominees of certain universities, among which McGill is included. Candidates will in most cases have completed from one to three years of postgraduate study and must present evidence of accomplishment in research, either in the form of published papers or as typewritten reports or theses. The scholarships are usually held at universities in the United Kingdom. Candidates should apply, not later than January 15th, through the Chairman of their Department. Details concerning the regulations may be obtained from the Registrar's Office.

RUTHERFORD SCHOLARSHIP.—This scholarship is awarded for experimental research in any branch of the natural sciences, preference being given to experimental physics. The scholarship will be tenable for three years in some part of the British Commonwealth other than that in which the applicant graduated. It will not normally be awarded to a graduate who has already held a senior research award. The value of the scholarship will be adjusted to meet the circumstances of the appointment but if held in the United Kingdom it will be between £650 and £850 per annum. Additional allowances will be granted for travel, university fees, etc. Application from university graduates outside the United Kingdom should be made through their universities on forms of application for the 1851 Exhibition Science Research Scholarship not later than January 15th. Further details may be obtained from the Registrar's Office. The award will be made by the Royal Society.

EXCHANGE FELLOWSHIP WITH THE UNIVERSITY OF GLASGOW.—An exchange fellowship has been established whereby a McGill graduate may spend a session of postgraduate work in the University of Glasgow. McGill University provides $500 towards the cost of transportation and an additional allowance of $500; Glasgow provides tuition, room, and board from October 1st to June 30th with an additional allowance of £50. Recommended fields of study are Chemistry, Physics, Zoology, Marine Biology, Botany, Geology, Economics, and the Medical Sciences. Application should be made to the Dean of the Graduate Faculty by February 1st; preference will be given to applicants who are Canadian and who have studied at McGill for several years. Under this scheme a graduate of the University of Glasgow may also spend a session of postgraduate work at McGill. University of Glasgow graduates interested in this fellowship should apply to the Principal of the University of Glasgow .

HAROLD H. HELM FELLOWSHIPS.—These fellowships are tenable in the Graduate School of Princeton University by men who hold a Bachelor's degree from McGill. Their value is $1,400 to $1,800 plus fees, plus an additional grant if studies are continued during the summer. Letters of application should reach the Dean of the Graduate School at Princeton as early as possible and certainly before February 1st.

POSTGRADUATE SCHOLARSHIPS GRANTED BY THE IMPERIAL ORDER DAUGHTERS OF THE EMPIRE.—Nine scholarships, in memory of the men and women who gave their lives in defence of the Empire in World War I, are offered annually—one for each province. They are of the value of $2,000 and have been founded "to enable students to carry on studies at any university in the United Kingdom, in British and Imperial History, the Economics and Government of the Empire and Dominion, or any subject vital to the interests of the Empire."

Four additional postgraduate scholarships of $2,000 each have been established by the Imperial Order Daughters of the Empire in memory of the men and women who gave their lives in defence of the Empire in World War II. These scholarships are offered annually to enable students to carry on postgraduate work in History, Philosophy, English, or French Literature and are tenable at any University in the British Empire. They may be awarded for a second year to the same candidate. Candidates must have graduated from a Canadian university or college and *have done or be doing postgraduate work.*

Full details may be obtained from the Registrar's Office or from the Provincial Educational Secretary of the Order in any Canadian Province. In Quebec the address is 4112 Western Ave., Westmount, Quebec. Applications must be submitted by October 15th.

NUFFIELD FOUNDATION FELLOWSHIPS.—These awards are made in the Natural Sciences and in the Humanities and Social Sciences, and are open to Canadians 25 to 35 years old who have at least a year's teaching or research experience beyond the level of the Ph.D. degree. They are tenable in the United Kingdom, their value being up to £1,290 (single) and £1,490 (married and accompanied by wife), plus a travel grant. Application forms may be obtained from Mr. G. V. Ferguson, 245 St. James St. West, Montreal, and should be submitted by January 1st at latest.

RHODES SCHOLARSHIPS.—These scholarships of £750 a year are tenable for two years at the University of Oxford. A third year may be granted under certain conditions. Candidates must be British subjects with at least five years domicile in Canada and be between the ages of nineteen and twenty-five. Two scholars are chosen annually from the Province

of Quebec, and men students in any faculty may apply. Applications must be in the hands of the Secretary of the Provincial Selection Committee not later than November 1st. Further details of tenure, eligibility, and qualifications, and application forms may be obtained from the Registrar's Office, or the Provincial Secretary, Mr. Claude Gagnon, Q.C., P.O. Box 758, Upper Town, Quebec City.

COMMONWEALTH SCHOLARSHIP AND FELLOWSHIP PLAN (see page 709).

SHELL POSTGRADUATE SCHOLARSHIPS.—Two scholarships of £750 per annum are offered for study at a university in the United Kingdom in Chemistry, Physics, Geology or Engineering, leading to a higher degree. The holder should be a male British (or Commonwealth) subject and have completed at least one year of postgraduate study. The closing date for applications is January 31st; further information may be obtained from the office of the Dean of the Graduate Faculty.

SWISS EXCHANGE SCHOLARSHIPS.—Two postgraduate exchange scholarships are offered annually tenable at the following Swiss universities:

University of Basel
University of Berne
University of Geneva
University of Zurich
Institute of Economic and Political Sciences, St. Gall
Federal Institute of Technology, Zurich.

These scholarships cover the cost of tuition fees only. Candidates must be prepared to pay all travelling costs and all incidental expenses such as books, living expenses, cost of vacation periods, etc. Candidates must be recommended by McGill University and have a good scholastic record, a satisfactory knowledge of French or German, and good health. The scholarships are open to both men and women of any faculty. Applications should be made to the Registrar by April 1st.

CANADIAN FEDERATION OF UNIVERSITY WOMEN'S PROFESSIONAL FELLOWSHIP.—This fellowship of $1,000 is open to any woman holding a degree from a Canadian University and whose domicile is in Canada. The proposed place and plan of study must be approved by the Fellowship Committee. The award will be based on evidence of character, intellectual achievement, and promise. Preference will be given to candidates who have completed one or more years of professional work and who desire to spend a year at an accredited Library School, College of Education, or similar professional school. Full information can be obtained from the Chairman of the Fellowship Committee, Dr. Mae Smith, 2424 Crown Crescent, Vancouver 8, B.C. Application and testimonials must be received before February 1st.

CANADIAN FEDERATION OF UNIVERSITY WOMEN'S TRAVELLING FELLOWSHIP.—This fellowship of $2,500 is open to any woman holding a degree from a Canadian university and whose domicile is in Canada, although she may be studying elsewhere at the date of application. The award is based on evidence of character, intellectual achievement, and promise. Preference will be given to candidates who have completed one or more years of graduate study and who have a definite course of study or research in view. The general policy will be to grant the fellowship alternately to students engaged in scientific research and to those engaged in research in the humanities. Full information can be obtained from the Chairman of the Fellowship Committee, Dr. Mae Smith, 2424 Crown Crescent, Vancouver 8, B.C. Applications and testimonials must be received before February 1st.

CANADIAN FEDERATION OF UNIVERSITY WOMEN'S JUNIOR FELLOWSHIP.—This fellowship of the value of $1,500 is open to any woman graduate of a Canadian university who is not more than 25 years of age at the time of award and whose domicile is in Canada, although she may be studying elsewhere at the date of application. The award will be based on evidence of character, intellectual achievement, and promise. The proposed place and plan of study must be approved by the Committee. Preference will be given to students who have studied in only one university and who desire to continue their studies in another. Full information can be obtained from the Chairman of the Fellowship Committee, Dr. Mae Smith, 2424 Crown Crescent, Vancouver 8, B.C. Applications and testimonials must be received before February 1st.

CANADIAN FEDERATION OF UNIVERSITY WOMEN'S MARGARET MCWILLIAMS FELLOWSHIP.—This fellowship of $2,000 is open to any woman holding a degree from a Canadian university who wishes to carry out postgraduate study or research abroad. The proposed place and plan of study must be approved by the Canadian Federation Fellowship Committee. The award will be based on evidence of character, achievement, and promise. Preference will be given to candidates who have started their graduate study and who have a definite course of study or research in view. Full information can be obtained from the Chairman of the Fellowship Committee, Dr. Mae Smith, 2424 Crown Crescent, Vancouver 8, B.C. Applications and testimonials must be received before February 1st.

FRANK KNOX FELLOWSHIPS.—These awards of $2,800 are tenable only in one of the Faculties of Harvard University by male Canadian students, not resident in the United States, who have graduated or are about to graduate from a Canadian university or college at which they have spent at least two of the last four years; enquiries may be made at the office of the Dean of the Graduate Faculty up to November 15th.

JOHNSON FOUNDATION SCHOLARSHIPS.—The Johnson Foundation of Racine, Wisconsin, and S. C. Johnson and Son, Limited, Brantford, Ontario, offer at least one scholarship to undergraduate or graduate students in Canadian universities enabling them to spend a year in an American university of his or her selection in economics, business administration, chemistry, engineering, law, medicine, teaching, etc. The award covers the reasonable expenses of travel to and study in the United States for one year for worthy and needy male or female students. Candidates must be Canadian citizens. Preliminary applications on special forms must be in Brantford by December 31st. Further information and application forms may be obtained from the Registrar's Office.

ROTARY FOUNDATION FELLOWSHIPS.—Each year Rotary International offers a number of fellowships for advanced study to graduates of recognized universities as an opportunity for young men and women of all nationalities, races and creeds to live, study, and travel in countries other than their own so that they may better understand the way of life and thinking of peoples of these other countries and make some contribution towards international understanding, good will, and peace.

Each fellowship provides return transportation from the student's home to the city in which he is to study, and also registration and tuition fees, essential books, room and board, incidental living costs and the cost of limited educational travel within the country of study.

Study under a Fellowship may be taken in any country in which there are Rotary Clubs. Preference will be given to Canadian students desiring to study in a country whose language is other than English and French.

Candidates must have a Bachelor's degree or expect to receive a Bachelor's degree before June 30th, 1962. They must be single and not less than 20 years of age and not more than 28 and must be highly qualified personally and academically, and give satisfactory evidence of strong potential leadership.

Candidates must be interested in and have an extensive knowledge of current affairs of international significance. They should have a good understanding of the history, culture, economics, geography, etc., of the country in which they are to study and be able to read, write, and speak fluently the language of that country.

Application for a Fellowship can be made only through the Rotary Club of the town or city in the territory of which the applicant has permanent residence. The Rotary Club will supply application blanks to the applicant it decides to sponsor. Application must be typewritten in duplicate and presented, with required attachments, to the sponsoring club secretary not later than August 1st.

Further information may be obtained from the Registrar's Office or from the Rotary Club of Montreal, The Queen Elizabeth Hotel, Montreal, Quebec.

OPEN TO GRADUATES IN ARCHITECTURE

A. F. DUNLOP SCHOLARSHIPS.—This scholarship of approximately $1,500 was established in 1951 by the will of the late Mrs. Catherine A. Dunlop as a travelling scholarship for students graduating in Architecture. Applications stating proposed study, localities to be visited and proposed date of departure should be sent to the Director of the School of Architecture before March 31st.

HUGH MCLENNAN MEMORIAL SCHOLARSHIP.—Established by the Hon. John Stewart McLennan, Dr. Francis McLennan and Miss Isabella McLennan in memory of Hugh McLennan, son of the Hon. John Stewart McLennan, killed at the Battle of Ypres in 1915. The amount of this scholarship is approximately $1,500. It will be awarded to the student graduating in Architecture who during his course has shown the greatest capacity in the solution of problems and who gives promise of creative ability.

OPEN TO GRADUATES IN ARTS AND SCIENCE

MOYSE TRAVELLING SCHOLARSHIPS.—The Moyse Travelling Scholarships were founded by the late Right Honourable Lord Atholstan, to commemorate the "splendid services of Dr. Charles E. Moyse, for forty-two years Professor of English, during sixteen of which he was Dean of the Faculty of Arts and Vice-Principal of the University." Two scholarships, each tenable for one year, are awarded by the Faculty of Arts and Science, one for distinction in literary subjects, and the other for distinction in scientific subjects. If a deserving applicant in one of these divisions is not forthcoming, both scholarships may be awarded to applicants who belong to the other. The holder must devote the period of the tenure of the scholarship to advanced study, preferably in a British or European university, but not to the exclusion of other universities. The scholarships are normally of the value of $2,000 each. Applications should be made to the Dean of the Faculty of Arts and Science not later than April 1st. Applications should be accompanied by:

(1) an official transcript of the applicant's academic record to date.

(2) the names of two referees who are familiar with the applicant's work.

(3) a statement, as precise and particular as possible, of the course of study which the applicant proposes to pursue if awarded the scholarship; the institution or centre at which he, or she, proposes to study; and the purpose to which the study is to be directed.

(4) a statement of the applicant's age and nationality.

GUY DRUMMOND SCHOLARSHIP IN POLITICAL SCIENCE AND ECONOMICS.—This scholarship, open to men only, originally endowed by the late Guy M. Drummond, is awarded annually by the University Scholarships Committee to a graduating student in the Faculty of Arts and Science nominated jointly by the Department of Economics and Political Science and the Department of Romance Languages. In making the nomination the two Departments will take into account the student's academic record and the likelihood that he will make a contribution of value to Canadian life. The student nominated must be taking the honours course in Political Science. Selection of the scholar is made on the initiative of the University Scholarships Committee. It is not applied for by the candidate. The value of the Scholarship is $3,700 plus tuition fees at McGill. $2,500 of this covers a year of study in Paris and the remaining $1,200 plus tuition fees a further year at McGill University studying for the M.A. degree. In Paris, the holder will study at the Institut d'Etudes Politiques unless he wishes to specialize in Economics rather than Political Science and has been granted permission by McGill University to study at the Sorbonne or at the Institut d'Economie Appliquée.

MACKENZIE KING TRAVELLING SCHOLARSHIPS.—From six to eight scholarships of not less than $1,500 each are offered annually to graduates of any Canadian university who propose to engage, either in the United States or the United Kingdom, in postgraduate studies in the fields of International or Industrial Relations (including the international or industrial aspects of Law, History, Politics, Economics). Applicants should be persons of unusual worth and promise. Awards will be determined on the basis of academic achievement, personal qualities and demonstrated aptitudes. Consideration will also be given to the applicants' proposed programmes of study. Applications must be submitted by March 1st. Further information may be obtained from the Registrar's Office.

OPEN TO GRADUATES IN ENGINEERING

ATHLONE FELLOWSHIPS.—These fellowships are awarded annually by Her Majesty's Government in the United Kingdom to enable Canadian engineering graduates to take postgraduate training in the United Kingdom. The fellowships fall into two groups: Group A, available for graduates on completion of a bachelor's or higher degree; Group B, for engineers who have already spent some time in industry. The fellowships provide for a period of two years in the United Kingdom and are awarded on the understanding that their holders afterwards return to Canada to follow their careers. They are available for any among the following options but preference is given for courses involving works experience: (1) Works training in one or more approved industrial

organizations. (2) Postgraduate studies in a United Kingdom university or college or research establishment. (3) A combination of (1) and (2) (4) Research in a United Kingdom University leading to the degrees of M.Sc. or Ph.D. Each fellowship covers the cost of travel from home to the United Kingdom and return, the cost of approved university or college tuition and other fees, maintenance allowance, and a travelling allowance of £25 extra within the United Kingdom for educational and cultural purposes. Further information and application forms may be obtained from Canadian University Registrars. The closing date for receipt of applications is January 15th.

OPEN TO GRADUATES IN LAW

MACDONALD TRAVELLING SCHOLARSHIP.—This scholarship was founded by the will of the late Sir William Macdonald "for the purpose of enabling English-speaking Law students to take a course of studies in France," the testator "deeming it of great importance that the English-speaking members of the legal profession should be proficient in the French language." The value of the scholarship is approximately $1,700. The scholar elected is required to pursue a year's study in the Law Faculty of a French university approved in each case by the McGill Faculty of Law. The award is made at the discretion of the Faculty to a student of the graduating class, proceeding to the Bar, who has obtained first or second class honours in the final examination and who would be unable without such financial help to spend a year in France. The Faculty interprets the will of the late Sir William Macdonald as intending that the scholarship be awarded only to men students preparing for practice as advocates in the Province of Quebec. Under the present regulations the Scholarship must be used in the year in which it is awarded.

FELLOWSHIPS OFFERED BY OTHER UNIVERSITIES

Graduates of McGill University who desire to undertake graduate study elsewhere should note that many universities offer fellowships and scholarships for which they may be eligible. Particulars of many of these may be obtained in the Registrar's Office. In many cases applications should be prepared not later than the January preceding the session for which the award is made.

D. FELLOWSHIPS AND SCHOLARSHIPS OPEN TO GRADUATES OF OTHER INSTITUTIONS FOR STUDY AT McGILL UNIVERSITY

A number of the awards listed in the preceding pages (Section A and B) may be held by graduates of other institutions while pursuing graduate study at McGill University; these are listed below.

VARIOUS SUBJECTS

COMMONWEALTH SCHOLARSHIP AND FELLOWSHIP PLAN (see page 709).
IMPERIAL OIL GRADUATE RESEARCH FELLOWSHIPS (see page 707).
INTERNATIONAL NICKEL CO. OF CANADA FELLOWSHIPS (see page 708).
SAMUEL LAPITSKY SCHOLARSHIP IN SOCIOLOGY (see page 703).
ALEXANDER McFEE FELLOWSHIP (see page 699).
NATIONAL RESEARCH COUNCIL SCHOLARSHIPS (see page 708).
ONTARIO RESEARCH FOUNDATION SCHOLARSHIPS (see page 708).
PROVINCE OF QUEBEC POSTGRADUATE SCHOLARSHIPS (see page 709).
SOLVAY FELLOWSHIP (see page 700).
DAVID STEWART MEMORIAL FELLOWSHIPS (see page 703).
ARTHUR C. TAGGE FELLOWSHIP AND UNIVERSITY FELLOWSHIPS (see page 703).
UNION CARBIDE RESEARCH FELLOWSHIPS (see page 704).
CANADIAN FEDERATION OF UNIVERSITY WOMEN'S FELLOWSHIPS (see page 715).

AGRICULTURE

C-I-L FELLOWSHIP (see page 697).
COMINCO FELLOWSHIP (see page 698).
WALTER M. STEWART SCHOLARSHIP (see page 701).

BIOLOGICAL SCIENCES

PHILIP CARPENTER FELLOWSHIP (see page 702).

CHEMISTRY

AMERICAN VISCOSE CORPORATION FELLOWSHIP (see page 697).
C-I-L FELLOWSHIPS (see page 697).
COMINCO FELLOWSHIP (see page 698).
RUSSELL J. EDDY FOUNDATION SCHOLARSHIP (see page 707).
GOTTESMAN SCHOLARSHIP (see page 698).
T. STERRY HUNT RESEARCH SCHOLARSHIP (see page 699).
SHELL OIL FELLOWSHIP (see page 700).
SPRUCE FALLS POWER AND PAPER COMPANY FELLOWSHIP (see page 700).

ECONOMICS AND POLITICAL SCIENCE

BRONFMAN FELLOWSHIPS (see page 702).

DAFOE FOUNDATION SCHOLARSHIP (see page 710).

ALEXANDER MACKENZIE FELLOWSHIP (see page 703).

ENGINEERING

COMINCO FELLOWSHIP (see page 698).

MIRON FELLOWSHIP (see page 699).

JOHN BONSALL PORTER SCHOLARSHIP (see page 705).

SHELL OIL FELLOWSHIP (see page 700).

SPRUCE FALLS POWER AND PAPER COMPANY FELLOWSHIP (see page 700).

GEOLOGY

LEROY MEMORIAL FELLOWSHIP (see page 699).

SHELL OIL FELLOWSHIP (see page 700).

IMPERIAL OIL FELLOWSHIPS (see page 707).

WILLIAM HENRY HOWARD SCHOLARSHIPS (see page 657).

WILLIAMSON MEMORIAL FELLOWSHIP (see page 701).

MEDICINE AND MEDICAL SCIENCES

SIR EDWARD BEATTY MEMORIAL SCHOLARSHIPS (see page 672).

A. A. BROWNE MEMORIAL FUND (see page 705).

G. RUTHERFURD CAVERHILL FELLOWSHIP (see page 711).

J. B. COLLIP FELLOWSHIP (see page 697).

JAMES COOPER FUND (see page 705).

JAMES DOUGLAS FELLOWSHIP (see page 706).

BLANCHE HUTCHINSON FUND (see page 706).

JOHN MCCRAE FELLOWSHIP (see page 711).

H. W. MOLSON FELLOWSHIP (see page 706).

FELLOWSHIPS IN NEUROLOGY (see page 706).

OSLER MEMORIAL SCHOLARSHIP (see page 712).

GORDON PHILLIPS FUND (see page 706).

JOSEPH SCHUBERT MEMORIAL SCHOLARSHIP (see page 707).

JEANNETTE VICTOR MEMORIAL SCHOLARSHIP (see page 707).

HARRISON WATSON SCHOLARSHIP (see page 700).

PHYSICS

SHELL OIL FELLOWSHIP (see page 700).

DOW-HICKSON FELLOWSHIP (see page 710).

VARIAN ASSOCIATES OF CANADA LIMITED FELLOWSHIP (see page 700).

The attention of applicants for admission to the Faculty of Graduate Studies is also drawn to the existence of demonstratorships and instructorships in certain departments (see page 696).

N.B.—From time to time scholarships, fellowships, or research grants are made available by industrial corporations to encourage research by graduate students upon specific problems suitable for M.Sc., M.Eng., or Ph.D. theses and for publication, but also of commercial significance. As such awards may be offered for only one or two sessions, it is not possible to have them listed in this Announcement; the Departments concerned should be consulted.

LOAN FUNDS

GRADUATE STUDENTS' LOAN FUND.—Established in 1951 by the Board of Governors for students in the Faculty of Graduate Studies and Research. Applications should be made to the Student Aid Officer.

MARGARET BIRKS MEMORIAL LOAN FUND.—Established in memory of the late Mrs. Margaret Birks, this fund is available to graduate students with preference being given to graduate students in the Department of Psychology. Where a loan appears justified, except that repayment will not be practical, bursaries will be granted. Application should be made to the Student Aid Officer.

OTHER LOAN FUNDS.—For loan funds open to students in all faculties see page 633.

V. SCHOLARSHIPS, PRIZES, AND MEDALS IN VARIOUS SCHOOLS OF THE UNIVERSITY

OPEN TO STUDENTS IN THE LIBRARY SCHOOL

For scholarships and bursaries open to undergraduates in all Faculties see page 624.

NATIONAL SCHOLARSHIPS (see page 613).

UNIVERSITY SCHOLARSHIPS (see page 624).

DR. G. R. LOMER SCHOLARSHIPS.—Two scholarships of $400 each. Applications should be made to the Library School before June 1st.

GROLIER SOCIETY SCHOLARSHIP.—A scholarship of $250 established by the Grolier Society of Canada Limited.

MCGILL UNIVERSITY LIBRARY SCHOOL ALUMNI SCHOLARSHIP.—Applications should be made to the Library School.

ETHELWYN M. CROSSLEY SCHOLARSHIPS.—This fund was founded in honour of a former student of the Library School. Women students are given preference.

ELIZABETH G. HALL SCHOLARSHIPS.—This fund was founded in memory of a former member of the McGill University Library staff.

Awards are made, after due investigation and recommendation, to deserving students who require financial assistance to take the course. Application should be made to the Director of the Library School.

LOAN FUNDS.—See page 633.

OPEN TO STUDENTS IN THE FRENCH SUMMER SCHOOL

FRENCH SUMMER SCHOOL SCHOLARSHIPS.—A number of Resident Scholarships varying in value from $75 to $175 are offered to teachers and to students of colleges and universities who are qualified to enter Section B (Intermediate) or Section C (Advanced). (*See French Summer School Announcement.*)

OPEN TO STUDENTS IN THE SCHOOL FOR GRADUATE NURSES

For scholarships and bursaries open to undergraduates in all Faculties (see page 624).

OPEN TO BASIC NURSING (B.Sc.(N)) AND B.N. STUDENTS

NATIONAL SCHOLARSHIPS (see page 613).

OTHER ENTRANCE SCHOLARSHIPS (see pages 612-624).

UNIVERSITY SCHOLARSHIPS (see page 624).

VICTORIAN ORDER OF NURSES FOR CANADA BURSARIES (see page 725).

OPEN TO GRADUATE NURSES ONLY:

ALEXANDRA HOSPITAL SCHOLARSHIP.—The Board of Governors offers a scholarship in the form of full maintenance at the hospital during a year's study at the School for Graduate Nurses.

ALUMNAE ASSOCIATION OF THE SCHOOL FOR GRADUATE NURSES SCHOLARSHIP.—In memory of Dr. Marion Lindeburg, the Alumnae Association has established an annual scholarship of $500. This scholarship is open to graduate, registered nurses who wish to study at the School for Graduate Nurses, and who meet the entrance requirements. Applications should

be submitted by June 15th to the Chairman of the Scholarship Committee, Alumnae Association, 1266 Pine Ave. West, Montreal.

ASSOCIATION OF NURSES OF THE PROVINCE OF QUEBEC BURSARIES:

(a) Two bursaries of $1,200 are customarily offered to practising members in good standing of the Association of Nurses of the Province of Quebec whose qualifications are acceptable to a university for any approved course.

(b) District No. 11 (English Chapter) Association of Nurses of the Province of Quebec offers a bursary to a member of the Chapter, whose qualifications are acceptable to a university. The nurse who accepts the bursary will be expected to work in the Province of Quebec for two years following the completion of her course.

MONTREAL CHILDREN'S HOSPITAL SCHOLARSHIP.—The Board of Governors offers a scholarship in the form of lodging at the hospital during one year's study at the School for Graduate Nurses. Those accepting the scholarship are required to work for one year at the Montreal Children's Hospital on completion of the course.

MONTREAL GENERAL HOSPITAL SCHOOL OF NURSING BURSARIES.—Bursaries are provided annually by the Montreal General Hospital to graduate nurses for study to prepare them for administrative and teaching positions.

ROYAL VICTORIA HOSPITAL SCHOOL OF NURSING SCHOLARSHIPS:

(a) The Mabel F. Hersey Scholarship is given annually by the Board of Governors for a year of postgraduate study at the School for Graduate Nurses, McGill University.

(b) The Emma Thomas Scholarship is offered annually for postgraduate study.

(c) The Ida McGregor Scholarship is offered annually for postgraduate study.

(d) A bursary of $1,500 donated by the Women's Auxiliary for postgraduate study to be awarded to a senior member of the staff.

VICTORIAN ORDER OF NURSES FOR CANADA BURSARIES.—The Victorian Order of Nurses for Canada offers bursaries of $1,000 to nurses to assist them in taking preparation in Public Health Nursing. Following their course, the recipients are obligated to work one year for the Victorian Order of Nurses in the area where their services are most urgently needed. Bursaries are also available to students in the final year of the Basic Nursing Degree course which includes preparation in public health nursing.

QUEEN ELIZABETH HOSPITAL BURSARY.—The *Martha Warren Bursary* of one year's tuition fee may be given to any Alumnae member or members, who wish financial help for postgraduate study. Applications for this bursary must be received on or before April 25th of each year. The nurse accepting this scholarship is expected to work in the Queen Elizabeth Hospital for one year following completion of her course provided there is a position open in her field of study.

REDDY MEMORIAL HOSPITAL BURSARY.—The Board of Directors offers a bursary to assist with a year's study at the School for Graduate Nurses. Only graduates of the School of Nursing or Staff Nurses in connection with the Hospital are eligible and should apply to the Director of Nursing.

GOVERNMENT BURSARIES.—A limited number of bursaries are made available through the School by the Province of Quebec for nurses who wish to remain in the province.

KELLOGG FOUNDATION LOAN FUND.—Through the generosity of the Foundation, this fund has been established to assist graduate nurses who have unexpected expenses while registered in courses at the school. For further particulars applicants should consult the Director of the School for Graduate Nurses.

OPEN TO STUDENTS IN THE SCHOOL OF PHYSICAL AND OCCUPATIONAL THERAPY

For scholarships and bursaries open to undergraduates in all faculties see page 624).

OPEN TO DEGREE STUDENTS

NATIONAL SCHOLARSHIPS (see page 613).

OTHER ENTRANCE SCHOLARSHIPS (see pages 612 - 624).

UNIVERSITY SCHOLARSHIPS (see page 624).

CANADIAN PHYSIOTHERAPY ASSOCIATION BOOK PRIZE.—Awarded annually to the student with the highest standing in the final year of the Degree Course.

LIEUTENANT-GOVERNOR'S GOLD MEDAL.—Awarded to the student with the highest standing throughout the Degree Course.

LOAN FUNDS.—(See page 633).

OPEN TO DIPLOMA STUDENTS

DR. F. G. FINLEY BOOK PRIZE.—Awarded annually to the student with the highest standing in the Third year of the Diploma Course in Physical Therapy.

QUEBEC SOCIETY OF OCCUPATIONAL THERAPY BOOK PRIZE.—Awarded annually to the student with the highest standing in the practical application of Occupational Therapy in the Third year of the Diploma Course.

LOAN FUNDS (see page 633).

OPEN TO STUDENTS IN THE SCHOOL OF SOCIAL WORK

For scholarships and bursaries open to undergraduates in all Faculties *see page 624.*

NATIONAL SCHOLARSHIPS (see page 613).

CHARLES GAVSIE BURSARIES.—There is available the final one of four two-year year bursaries of $1,000 per annum established by Mr. Charles Gavsie for students in the School of Social Work. The awards are made by the Director of the School of Social Work to students who have the necessary qualifications for admission and who would be most likely to profit from professional training in Social Work.

OTHER SOURCES OF FUNDS

A number of bursaries are available for each session.

Substantial financial assistance may be given under the Federal, Provincial Health Grants to students desiring to qualify in psychiatric and medical social work.

Similar assistance is also available through some Provincial Governments in Canada and State Governments in the United States. Prospective students, other than those from Quebec, interested in obtaining such financial assistance should make inquiry through their provincial or state government. Overseas students should inquire of their governments of the availability of United Nations and Colombo Plan Study Grants.

A limited number of bursaries supported by private organizations are available.

Fellowships, scholarships, and work-study plans are available through various private organizations such as the National Jewish Welfare Board and affiliated agencies. Inquiries regarding such funds should be made directly to the organizations.

GENERAL

While awards are made only to students of attainment and promise, the financial needs of applicants will receive consideration. Inquiries should be addressed to the Director.

LOANS

Loans are available from the Social Work Alumni and Southam Loan Funds; from the Pi Beta Phi Loan Fund established for the use of students in financing their training or in meeting temporary or emergency needs and from a few private welfare organizations on arrangements made by the School.

Inquiries regarding University assistance, other than here mentioned, should be made to the Registrar of McGill University.

BERLINER STUDENT LOAN FUND (see page 634).

OTHER LOAN FUNDS (see page 633).

VI. MEDALS AND PRIZES IN THE DEPARTMENT OF ATHLETICS, PHYSICAL EDUCATION, AND RECREATION

I. FOR MEN

WICKSTEED MEDALS.—The Wicksteed silver and bronze medals for physical education (the gift of the late Dr. R. J. Wicksteed) are offered for competition to students of the graduating class and to students who have had instruction in the gymnasium for two sessions; the silver medal to the former, the bronze medal to the latter. The award of these medals is made by judges appointed by the University. The medal is not awarded to any student who fails in his examinations for the degree.

DR. F. W. HARVEY CUP.—Awarded to the winner of the Freshmen group in the Wicksteed Gymnastic Competition.

D. STUART FORBES TROPHY.—Awarded to the McGill student who, in the opinion of the Student's Athletics Council, has brought most credit to the University by reason of his athletic achievements.

DR. CHARLES F. MARTIN LAWN TENNIS TROPHY.—Presented by the late Walter Vaughan, a former Bursar, in honour of Dr. Charles F. Martin, this trophy is open for competition to undergraduate students of McGill University and is awarded to the winner of the annual singles competition. A miniature is presented to the winner for his retention.

WARREN HURD MEMORIAL TROPHY.—For the undergraduate half-mile champion in Track.

FOOTBALL TROPHIES

FRED WIGLE MEMORIAL TROPHY.—For the most sportsmanlike Senior Football player.

CLAIRE MUSSEN MEMORIAL TROPHY.—For the most valuable Intermediate Football player.

McGILL TOUCHDOWN CLUB TROPHY.—For the most valuable Lineman in Senior Football.

LOIS OBECK TROPHY.—For the most improved Senior Football player of the year.

W. S. LEA MEMORIAL TROPHY.—For the most valuable Senior Football player.

HOCKEY TROPHIES

DR. BOBBY BELL MEMORIAL TROPHY.—For the most valuable Senior Hockey player.

BERT FYON TROPHY.—For the most improved player on the Senior Hockey Team.

I. FOR WOMEN

DR. CHARLES F. MARTIN LAWN TENNIS TROPHY.—Presented by the late Walter Vaughan, a former Bursar, in honour of Dr. Charles F. Martin, this trophy is open for competition to undergraduate students of McGill University and is awarded to the winner of the annual singles competition. A miniature is presented to the winner for her retention.

McGILL UNIVERSITY LIBRARY

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Institute of Education
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School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture and School of Household Science)
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The Directory of Staff (University administrative officers, standing committees, and officers of instruction. For limited distribution.)

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———— *Chairman, Physical Sciences Group*

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J. B. Bird, M.A. (Cantab.) *Secretary of Faculty*

COUNCIL

The Dean, the Principal, and the four Group Chairmen form the Council of Faculty

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SESSION 1961-62

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The B.A., B.Sc., and B.Com. Advisory Committees also act together as a General Advisory Committee.

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A complete list of the teaching staff of the University, including the Faculty of Arts and Science, is printed as a separate Announcement which may be obtained from the Registrar's Office.

The Faculty of Arts and Science

(McGILL COLLEGE)

THE FACULTY AND ITS DEGREES

The undergraduate work of the University in Arts, in Pure Science, and in Commerce is done in McGill College, usually called the Faculty of Arts and Science. The Dean of McGill College is the Dean of the Faculty of Arts and Science. The following degrees are awarded in Faculty:

Bachelor of Arts (*B.A.*),

Bachelor of Science (*B.Sc.*),

Bachelor of Commerce (*B.Com.*),

Bachelor of Education (*B.Ed.*),

Bachelor of Education [(*Physical Education*) *B.Ed.*(*P.E.*)]

In the case of the first three of these degrees, the Faculty offers both a General Degree and an Honours Degree.

The Library School and the School of Social Work are integral parts of the Faculty which, therefore, recommends, to Senate, candidates for the degrees of *Bachelor of Library Science and Master of Social Work.*

The work of students who are candidates for the degrees of Bachelor of Commerce and Bachelor of Education is supervised, under the Dean, by the Directors of the School of Commerce and of the Institute of Education, respectively. While the School and the Institute are integral parts of the Faculty, each has a separate Announcement.

APPLICATION FOR ADMISSION

All applications to enter the Faculty of Arts and Science must be made on forms which may be obtained from the Registrar's Office.

Each accepted candidate will receive a formal acceptance into a definite course and year, and this must be kept for presentation at Registration.

The number of admissions is limited and the College is not bound to accept applicants who have passed the required examinations.

MINIMUM AGE

Except in special circumstances, no student under the age of sixteen is admitted to the First year, or under the age of seventeen to the Second year.

WOMEN STUDENTS

Women are admitted to the courses and to the degrees of the Faculty on the same terms as men.

Women students whose homes are outside Montreal must make application, before May 31st, to the Warden of the Royal Victoria College for residence. At the same time, they must submit their academic applications (even if these are incomplete). Forms for these purposes are obtainable from the College or from the Registrar's Office.

Those women students in the Faculty who do not reside with their parents or guardians in Montreal and who wish to live outside the University residences are required to submit their plans for residence, in writing, to the Warden and to obtain written approval. Students in this category who are entering the University for the first time must, in all cases, fill out residential application blanks when the academic application is submitted.

ENTRANCE REQUIREMENTS (For the Session 1961-62)

See General Announcement for details

Students may be admitted into the Faculty, as regular undergraduates, after obtaining the necessary standing in the required papers of the McGill Junior or Senior School Certificate examination, or their recognized equivalents. Full details concerning these examinations are given in the School Certificate Examinations Announcement, which may be obtained from the Registrar's Office.

All Canadian and U.S. students who apply for admission at Junior or Senior Matriculation level in 1962 and subsequent years must take the tests offered by the College Entrance Examination Board. These consist of the Scholastic Aptitude Test (in two parts—Verbal and Mathematical) and three Achievement Tests selected by the student in consultation with his school principal. The English Composition test is compulsory; the other two tests may be chosen from any of the following: Intermediate Mathematics, *or* Advanced Mathematics; Physics; Chemistry; Biology; French; Latin; German; Spanish; and, for United States applicants only, Social Studies.

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These tests must be written not later than in March of each year. The tests may be written on one testing date, but it is recommended that applicants write the Scholastic Aptitude Test in December or January, and the three Achievement tests in January or March. The cost to the student for writing the full set of tests is $13.00. Students from the eastern parts of Canada and the United States may obtain information about tests, and test centres, etc. by writing to the College Entrance Examination Board, Box 592, Princeton, New Jersey; students from the west should write to: College Entrance Examination Board, Box 27896, Los Angeles 27, California.

A student with incomplete matriculation qualifications is not admitted as a regular undergraduate.

FIRST YEAR

A student may apply for admission to the First year of the undergraduate degree courses in the Faculty after obtaining the necessary standing in the appropriate subjects of the School Certificate Examination or in one of the examinations recognized by the University as the equivalent.

SECOND YEAR

A student may apply for admission to the Second year of these courses after obtaining the necessary standing in the appropriate papers of the School Certificate *and* Senior School Certificate Examinations or their recognized equivalents. Only in exceptional circumstances is a student who has not written and passed the School Certificate Examinations or their equivalent admitted by Senior School Certificate.

A student who has been admitted to the First year and who has failed to advance to the Second year is not permitted to obtain advanced standing by writing Senior School Certificate Examinations. Provided that he has not been excluded from further study for academic or other reasons, he is required to take the regular supplemental examinations of the First year if he desires to proceed in his course.

Students who are admitted to the B.A. course without having satisfied the requirement of the Classical Language must include a classical language in their programme for two years. All applications for exemption from the classics requirement must be submitted, in writing, to the Dean, prior to registration.

THIRD YEAR

A student may apply to enter the Third year by submitting application forms as for First and Second years together with the necessary certificates of attainment.

REGISTRATION

First year students in Arts, Science and Commerce will register on Monday, September 18th. The letter of acceptance will state the exact time at which students in the various courses are to come to register.

Students in Second, Third and Fourth year Arts and Third and Fourth year B.Ed. will register on Thursday, September 21st. The letter of acceptance (in the case of new students) or the Report of Standing will give the exact time at which individual students must register.

Students in Second, Third and Fourth year Science and all Partial Students will register on Friday, September 22nd. The letter of acceptance (in the case of new students) or the Report of Standing will give the exact time at which individual students must register.

Students in Second, Third and Fourth year Commerce will register on Saturday morning, September 23rd.

All registration will be held in the Sir Arthur Currie Gymnasium-Armoury, 475 Pine Avenue West.

The Freshman Welcome meeting will take place on Tuesday, September 19th.

All students who do not register on the day and time specified for them will be charged a late registration fee.

No student will be admitted after September 30th except by special permission of the Dean.

At the time of registration, women students in the Faculty will be required to fill out special forms for the Royal Victoria College, of which they are automatically members (see pages 308 to 311 of the General Information booklet enclosed with this Announcement).

Each regular undergraduate must be registered for the courses and year for which he has been accepted. Limited Undergraduates and Partial Students must obtain approval of their courses from the Admitting Officers before proceeding to register.

No undergraduate may attend classes in any course for which he is not registered. Students who withdraw during the session must cancel their registration on the official form provided at the Registrar's Office.

PERIOD OF STUDY FOR A DEGREE

The bachelor's degree may be obtained only by students who have regularly attended the prescribed courses for at least four years after being admitted into the First year, or for at least three years after being admitted into the Second year. Students are admitted into the Third year only in exceptional circumstances and at least two full years of resident study in the Faculty are ordinarily required before the bachelor's degree can be granted.

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CLASSES OF STUDENT IN THE FACULTY

(1) *Regular Undergraduates* are students who have complete matriculation qualifications and who are taking the regular work of their year towards the appropriate degree.

(2) *Limited Undergraduates* are students who have complete matriculation qualifications but who find themselves unable, because of ill-health or other circumstances, to complete their degree work in the required four years. Such students may, with the Dean's permission, extend their course beyond the required period but must complete it within eight years.

Limited Undergraduates are not eligible for scholarships, medals, bursaries, or prizes of any description and may not read for an Honours degree.

(3) *Partial Students* are students who are not registered as proceeding to a degree but who are allowed to take one or more lecture courses. Partial students must obtain the Dean's permission to register and must satisfy the lecturer in the course concerned that they have sufficient ability to do the work in the course. Application may be refused because of limitation of space in lecture rooms and laboratories. A student who has tried, and failed, to pass matriculation is not allowed to register as a partial student except in special circumstances.

If a Partial Student hopes to secure credit for a course, he or she must fulfil all the requirements of classroom work and tests which are prescribed for that course for regular students.

A Partial Student who has successfully passed the courses of a previous year is not necessarily accepted at a later session.

Subject to the above limitations, lectures are open to Partial Students in both Honours and General classes. Such a student may request the Registrar to issue a certificate stating that he has followed certain courses and showing his class standing in each. Work taken by a Partial Student cannot, however, be counted towards a McGill degree without a special vote of Faculty.

Partial Students are not eligible for scholarships, bursaries, medals, or prizes.

COMMON FIRST YEAR

A student who is qualified by matriculation to proceed to both the B.A. and the B.Sc. degree and who does not know, at the beginning of his First year, which degree he desires to obtain, may qualify to enter the Second year leading to either of these degrees by selecting Biology, Chemistry, English, Mathematics and Physics in his First year. If such a student subsequently proceeds to the B.A. degree, he will follow the curriculum prescribed for B.A. students who select Option C in the First year.

ATTENDANCE, EXAMINATIONS, AND ADVANCEMENT

The attention of students is called to a pamphlet entitled *Regulations Governing Attendance, Examinations, and Advancement* issued by the Faculty of Arts and Science. Copies are distributed at the time of registration. Extra copies may be obtained through the Dean's office.

HIGH SCHOOL DIPLOMA

Students who wish to qualify for the High School Diploma of the Province of Quebec have to fulfil certain additional requirements in both the First and Second years. See Announcement of the Institute of Education.

SUBJECTS AND COURSES REQUIRED FOR THE DEGREE OF BACHELOR OF ARTS

In the session 1959-60, the Faculty of Arts and Science was authorized to introduce a new curriculum for the General Degree of Bachelor of Arts. All candidates for the degree, therefore, who are admitted to the First or Second years of the General B.A. Course for the Session 1961-62, will proceeds under the provisions of the New Curriculum (pages 1015 - 1019).

Candidates who are admitted, or who are advancing, to the Third and Fourth years, for the session 1961-62, will proceed under the provisions of the old Curriculum (pages 1019 - 1020).

THE NEW CURRICULUM

1. The subjects in which candidates may offer themselves for examination are divided into two Groups of subjects in Arts and one Group of Biological and Physical Sciences. Subjects in which instruction is *not given* in the First year are printed in italics.

GROUP I.

English; *Fine Arts; Philosophy;* Music.
Greek; Latin.
French; German; Russian; Spanish; Italian.
History.
Mathematics.
Religion.

GROUP II.

Anthropology; Economics; History; *Political Science; Sociology.*
Geography (Arts Division); *Psychology* (Arts Division).
Mathematics.

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GROUP III.

Biochemistry: Botany; *Genetics; Physiology;* Zoology; *Bacteriology.*
Chemistry; Geology; Physics.
Geography (Science Division); *Psychology* (Science Division).

2. *Specific Requirements:*

(i) Every candidate for the degree must offer himself for examination in a foreign language.

A student who offers himself for examination in a foreign language which he offered successfully at matriculation, will pursue the study of this language in the First and Second years.

A student who, to satisfy this requirement, offers himself for examination in a foreign language which he did not offer successfully at matriculation, will pursue the study of this language in the First, Second and Third years.

A student who has been admitted to candidacy for the degree without fulfilling the Classical requirement of matriculation, must pursue the study of a classical language for two years *in addition* to the courses which are required to satisfy the Foreign Language Requirement.

(ii) Every candidate for the degree must include an approved course in English Literature in his curriculum. He may satisfy this requirement by including English 100 in his choice of First year subjects, or by including English 205 in his choice of subjects in later years.

(iii) In the Third year, all candidates will include Part I of the Faculty Course and, in the Fourth year, Part II of the Faculty Course, in their curriculum.

(iv) At the beginning of the Third year, the candidate will select two Cognate Subjects, i.e. two subjects from Group I or two subjects from Group II. Such Cognate Subjects must be chosen from subjects which the candidate has selected in his Second year. In the Third year, he will include in his curriculum, at least, one course in each of his Cognate Subjects: and, in the Fourth year, he will include, at least three courses in the same subjects: two in one subject, and one in the other.

Note that, for purposes of this stipulation, it is permissible to select Philosophy from Group I with either Economics or Political Science from Group II.

3. Candidates who wish to include the study of biological or physical science, beyond the First year, in the curriculum for the degree, may do so, provided that they follow an approved sequence through the First, Second and Third years, as follows:

FIRST YEAR	SECOND YEAR	THIRD YEAR
Mathematics 111, 112 or 113	Physics 11	Mathematics 224 or Physics 22 or Chemistry 111
Geology 121	Geography 231	Geography 416
Botany 100a (or b) Zoology 100b (or a)	Psychology 21	Psychology 34
Botany 100a (or b) Zoology 100b (or a)	Botany 200	Botany 222 or 244a and b
Botany 100a (or b) Zoology 100b (or a)	Genetics 21 or Zoology 211	Zoology 221 or Physiology 21 Chemistry 202
Physics 11 Chemistry 111	Chemistry 111 Chemistry 202	Physiology 21 or Bacteriology 21

N.B. The sequence Physics 11, Chemistry 111, Chemistry 202 is open only to candidates who have selected Mathematics as a subject for study in the First year.

The sequence Chemistry 111, Chemistry 202, Physiology 21, Bacteriology 21, is open only to candidates who have selected Option C in the First year.

It is not permissible to select any one of Geography, Mathematics or Psychology both as a Cognate Subject and as part of a Science sequence.

THE CURRICULUM:

THE FIRST YEAR:

Five courses chosen according to one of the following Options:

Option A.
Greek or Latin.
English or French.
A third subject from Group I.
A fourth subject from Groups I and II.
A fifth subject from Groups I, II and III.

Option B.
Greek or Latin or Mathematics.
Economics or Geography or History.
A third subject from Group II.
A fourth subject from Groups I and II.
A fifth subject from Groups I, II and III.

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Option C.
Biology; Chemistry; English; Mathematics; Physics.

N.B.

(i) In making their selection of subjects, candidates will take account of the Foreign Language and English Literature Requirements. Candidates who select Option C will begin the sequence of courses, which is required to satisfy the Foreign Language Requirement, in the Second year.

(ii) Students who propose, subsequently, to enter an Honours Course, should consult the First year requirements of the Department, or Departments, in which they propose to read Honours.

THE SECOND YEAR:

Five courses:

Either: One full course selected (with due regard to Departmental prerequisites and to the Foreign Language and English Literature Requirements) from each of FIVE subjects in Groups I and II.

Or: One full course selected (*with regard to the same requirements*) from each of FOUR subjects in Groups I and II, and the Second year course in the Science Sequence begun in the First year.

In making his selection of subjects, the candidate should remember that the Cognate Subjects which he is to study in the Third and Fourth years must be chosen from subjects selected in the Second year.

THE THIRD YEAR:

Five Courses:

(1) the Faculty Course, Part I.

(ii) Two courses, one from each of the Cognate Subjects of the candidate's choice.

(iii) *Either* Two courses which (with due regard to Departmental prerequisites and to the Foreign Language and English Literature Requirements) may be selected from any subject in Groups I and II.

Or One such course and the Third year course in the Science Sequence begun in the First year.

THE FOURTH YEAR:

Five Courses:

(i) The Faculty Course, Part II.

(ii) Two courses in the first Cognate Subject.

(iii) One course in the second Cognate Subject.

(iv) One course selected (with due regard to Departmental prerequisites and to the Foreign Language and English Literature Requirements) from any subject in Groups I and II.

NOTE:

Save in cases in which it forms part of an approved Science Sequence, no First year course may be offered by candidates in the Third or Fourth year.

THE FACULTY COURSE:

The Faculty Course will be a synoptic one which will enlarge and synthesize the various more specialized studies which the candidate will have made in his departmental courses.

It will deal with the successive conceptions of the nature of man and of the world in which he lives; with the relation between these conceptions and actual institutions, economic, political and religious; with theories of freedom and authority and their social and political implications; with the chief intellectual and imaginative works of man and with the changes in his standards in these matters; with traditional ideas of knowledge and the effects on them of the empirical findings of modern science.

THE OLD CURRICULUM (THIRD AND FOURTH YEARS)

At the beginning of the Second year, a student proceeding to a General B.A. degree will have chosen two subjects from those listed below in Division I. These two subjects are designated *Continuation Subjects* and are to be continued during the Third and Fourth years. A full course (or two half-courses) must be taken *each* year in each of the Continuation Subjects. The additional courses necessary to make the total of four for each of the Third and Fourth years, may be chosen from any of the subjects shown in either Division I or Division II below. In choosing his elective courses, the student may seek the advice of one of the departments in which he chooses a continuation course. A student may select only those courses for which he has the prerequistes laid down by the department in which such courses are given, and he is responsible for seeing that the courses chosen do not conflict with each other as regards hours of lectures or laboratory periods.

When the student's record during his Second, Third, and Fourth years of the General Course averages a high second class standing, a special award of *Distinction* is made at graduation. When the record averages first class standing, the award made is *Great Distinction.*

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Division I (Continuation)

Anthropology	Latin
Economics	Mathematics
English	Philosophy
Fine Arts	Physics (when taken as a Continuation Subject with Mathematics)
French	
Geography	Political Science
German	Psychology
Greek	Russian
History	Sociology
Italian	Spanish

Division II (Elective)

Subjects in Division I and:

Ancient History	Geology
Bacteriology	Linguistics
Biochemistry	Music
Botany	Physics
Chemistry	Physiology
Education	Religion
Genetics	Zoology
Geography	

Honours lecture courses are open to properly qualified general students.

When a beginning course in a foreign language is offered by a student in the Fourth year, such a course, for purposes of credit, is treated as being only a half course.

SUBJECTS AND COURSES REQUIRED FOR THE DEGREE OF BACHELOR OF SCIENCE

An undergraduate may proceed to either a General or an Honours B.Sc. degree. As the distinction between these is not made until the Second year (or, in some cases, the Third year), there is a common curriculum to be followed by all First year students.

THE FIRST YEAR OF THE B.Sc. COURSE
(FOR BOTH GENERAL AND HONOURS DEGREES)

(a) Compulsory Courses:

English 100
Mathematics 111, 112 or 113*
Physics 11
Chemistry 111

(b) Elective:

Botany 100a (or b) and Zoology 100b (or a)
or one of the following, if the timetable permits:
Economics 100
French
Geography 121
Geology 121
German 3
Greek
History
Italian
Latin
Music
Russian
Spanish

*Students who matriculated in Intermediate Algebra and Trigonometry at Junior Matriculation will take Mathematics 112 or 113.

More advanced courses are available also in Chemistry, Mathematics, and Physics for those specially qualified or contemplating Honours.

THE GENERAL B.Sc. CURRICULUM IN THE SECOND, THIRD, AND FOURTH YEARS

In each of these years, five courses are required; these courses must be spread over at least four subjects, and must be selected from the groups given below. The student is also required to pursue a continued study of two subjects during the major part of his last three years for the General degree. The normal sequence of courses in any subject chosen for continuation is shown in Group I below. Since courses in Bacteriology, Biochemistry, and Physiology are usually begun in the Third year, a student is not obliged to choose these subjects for continued study until the beginning of his Third year; in other cases, he will commence his continuation subjects at the beginning of his Second year. In any year, a specially qualified student may be allowed, upon the recommendation of the department concerned, to substitute a more advanced course for any of those listed.

SECOND YEAR REQUIREMENTS

Three Science subjects from Group I; one Arts course from Group III; and one course from Group I or II or III.

THIRD YEAR REQUIREMENTS

Two Science subjects from Group I; one further subject from Group I or II; one Arts course from Group III, and one course from Group I or II or III.

FOURTH YEAR REQUIREMENTS

The same as for Third year, the two subjects previously chosen from Group I being continued throughout this year. It is permissible, however, to drop one of these continuation subjects in the Fourth year provided that two courses be taken in the remaining continuation subject; in this case the student's courses may be spread over three instead of four subjects.

GROUP I (Continuation Subjects)

SUBJECT	SECOND YEAR	THIRD YEAR	FOURTH YEAR
Bacteriology	21	32, 33b	44, 45
Biochemistry	See below	31,37	37, 43, 44 or 45
Botany	200, 222, 244a, 244b	200, 222, 244a, 244b, 321, 323, 331, 343, 350b	321, 323, 331, 343, 350b, 432, 433, 441, 442, 445
Chemistry	202, 211, 221, 231, 241	202, 211, 221, 231, 241	302, 311, 320, 321, 322, 345
Genetics	21	32a, 32b, 36 and 45	42b to 47b inclusive
Geography	221, 231	318, 321	312, 414, 416, 420
Geology	121 or 221	221-444	221-444
Mathematics	224	323, 329, 330	323, 329, 330, 435
Meteorology	21	31	41, 42
Physics	22	23, 24, 25, 27b	(35), (32, 43b), (44a and b)
Physiology	21	21, 31, 32	31, 32, 41, 42
Psychology	21, 22a or 22b	32, 34, 36, 37	43, 46, 48
Zoology	211, 221	211, 221, 321, 322a, 324, 325, 332, 337, 343, 345, 446	324, 325, 337b, 433, 435, 446

If Biochemistry is to be taken as a continuation subject in the Third year, Chemistry 22 and Physiology 21 must be taken in the Second year.

A student who has not completed Botany 100b (or a) and Zoology 100a (or b) must obtain permission from the department concerned before proceeding to more advanced courses in Botany or Zoology.

Students who select Physics as a continuation subject must also select the following Mathematics courses: 224 or 225 in Second year; 330 in Third year or in Fourth year.

GROUP II (Non-continuation subjects)

SUBJECT	COURSES
Bacteriology	21
Biochemistry	31, 37, 43, 44, 45
Botany	200 to 445
Chemistry	202, 211, 221, 231, 241, 302, 311, 321, 345
Crystallography	1a, 2b (listed under Geology)
Geography	121 to 421
Geology	121 to 444
Genetics	21 to 47a or b
Histology	Anatomy 1a
Mathematics	112, 224, 329, 330, 443, 435
Meteorology	21, 301
Physics	22, 23, 24, 25, 32 35, 43b, 44a or b
Physiology	21, 31, 32, 41, 42, 43, 44
Zoology	100, 221, 321, 324, 325, 332, 337b, 343, 345, 435, 446

GROUP III (Arts subjects)

Economics	Latin
Education	Music
English	Philosophy
Fine Art	Political Science
French	Psychology
Geography	Religion
German	Russian
Greek	Sociology
History	Spanish
Italian	

B.Sc. students who select Geography or Psychology as a Continuation Subject may not select the same subject from Group III.

In selecting advanced courses, students should consult the Departments concerned.

Details of the courses are given on pages 1032 to 1180.

When the student's record during his Second, Third, and Fourth years of the General Course averages a high second class standing, a special award of *Distinction* is made at graduation. When the record averages first class standing, the award made is *Great Distinction.*

GENERAL REGULATIONS GOVERNING THE HONOURS DEGREE

The course for the Honours degree is distinguished from that of the general degree rather by quality than by quantity. In a very few cases, the honours curriculum may be regarded as providing pre-professional training and, in almost all Departments in which honours work is given, it forms a bridge between undergraduate training and graduate; but it is governed fundamentally by the belief that a relatively intense study of one field, not too narrowly limited, is the best medium of *general* education. A student who has gone sufficiently far in the study of one subject to have become aware of the assumptions on which that study rests and of the difficulties which its methods have been shaped to meet, and who has been introduced to the kind of material with which more advanced work in the subject is concerned, has probably undergone a better general mental discipline than the student who has sampled a variety of useful, but not very deeply developed, studies. While the honours curriculum, therefore, may be thought to be 'narrow', in the sense that the student is directed, in the latter years of his course, to the study of one or two subjects only, it is 'broad' in the sense that its purpose is to provide a more acute and discriminating, because more unified and systematic, intellectual training than is possible under the condition of the general degree.

Since the aim of the Honours curriculum is to develop critical and analytical ability, as distinct from, and in addition to, the imparting of information, it requires the student to exercise his own initiative and to develop the capacity to do much of the work for himself under guidance and direction. Part of the work (the situation varies as between Departments) dispenses with formal lectures and proceeds by group, or individual, tutorials, so that the student reading for the Honours degree enjoys close and continuous supervision of his work by individual tutors.

The conditions for entering Honours courses in Second year are as follows:

(*a*) The sanction of the Dean and of the departments in which Honours are elected must be obtained.

(*b*) No student may take Honours in a subject in which he has failed to attain at least second class standing in his First year.

Honours students who fail to attain second class honours standing at the end of the Second or Third year must revert to the General course in their next and following year or years and fulfil its requirements unless they obtain special leave to continue their Honours work from the department or departments interested.

An Honours student who has failed in any subject in the Third year examinations is not allowed to continue his Honours course except with the consent of Faculty.

A student's whole record during his Second, Third, and Fourth years will be considered in awarding Honours at graduation.

Students in Honours courses who fail to attain Second Class Honours at graduation must revert to the list of General students. If, in the judgment of Faculty, their record so warrants, they may be permitted to supplicate for the general degree.

Honours are awarded by Faculty on the recommendation of the department or departments in which Honours are elected.

THE HONOURS B.A. CURRICULUM IN THE SECOND, THIRD, AND FOURTH YEARS

Undergraduates may read for the Honours B.A. in any one of the following single subjects:

English
French
Geography
German
History
Latin
Mathematics
Philosophy
Psychology

They may also read for the degree in the following combinations of two subjects:

Anthropology and Sociology
Classics (Latin and Greek)
Economics and Political Science
Mathematics and Physics
Various combinations of the single subjects given above

In the case of Honours in a single subject (e.g. English) the detailed description of the curriculum will be found under the appropriate Department.

In the case of Joint Honours in two subjects, the detailed description of the curriculum will be found under that one of the two Departments which has alphabetical precedence. Thus, Joint Honours in English and History is described under the Department of English (since "E" precedes "H") but Joint Honours in History and Political Science is described under the Department of History (since "H" precedes "P").

THE HONOURS B.Sc. CURRICULUM IN THE SECOND, THIRD, FOURTH, AND FIFTH YEARS

Honours courses begin, normally, in the Second year and are offered in the subjects listed below. Information as to courses to be taken can be found at the end of the descriptive material listed by the appropriate department on pages 1032 to 1180.

Attention is drawn to the fact that lectures are not given on all parts of the work. The examinations for Honours are not necessarily conducted exclusively by the persons who have given the courses.

HONOURS COURSES OFFERED FOR THE B.Sc. DEGREE AND REQUIRING FOUR YEARS

Bacteriology and Immunology
Biochemistry
Biophysics
Botany
Chemistry
General Honours in Biological Sciences
Genetics
Geography
Geological Sciences
Mathematics
Mathematics and Physics
Mathematics and Psychology
Physics
Physiology
Physiology and Psychology
Psychology
Zoology

HONOURS COURSES OFFERED FOR THE B.Sc. DEGREE AND REQUIRING FIVE YEARS

Chemistry and Physics
Chemistry and Mathematical Physics
Geology and Physics (Geophysics)
Mathematics and Physics
Mathematics and Zoology
Physics and Physiology

GENERAL HONOURS IN BIOLOGICAL SCIENCES

As indicated above, students may proceed to an Honours degree in some one of the various Biological Sciences. Alternatively, they may proceed to an Honours degree in *General Honours in Biological Sciences* (as

described below), postponing specialization in a particular Science (including Genetics), until postgraduate years. This General Honours course provides a balanced study of the Plant and Animal Kingdoms, with a suitable admixture of Genetics, and is a basic training in plant and animal studies. It is of value to pre-teacher, pre-dental, and pre-medical students, and for those who have an interest in the Biological Sciences. but who do not wish for the marked specialization of an Honours degree in a single Science.

Students who obtain a high second class average in this course are eligible for admission (with approval) to the Faculty of Graduate Studies and Research, but they may have to spend additional time in fortifying their knowledge of a particular field.

CURRICULUM OF GENERAL HONOURS IN BIOLOGICAL SCIENCES

Note: Students are reminded that courses chosen in any one year may affect the taking of other courses in subsequent years. *It is essential for this course that Botany 100a (or b) and Zoology 100b (or a) should be taken in B.Sc. 1.*

Students must apply for entry to this course to the Chairman of the Biological Sciences Group, and must obtain his approval before they will be permitted to register for this General Honours Course.

Prerequisite: General First year B.Sc. with the required standing (at least second class). *Botany 100a (or b) and Zoology 100b (or a) must be taken.*

2nd year: Botany 200 or 222, Chemistry 202, Genetics 21, Zoology 211, Zoology 221 or 321.

3rd year: Biochemistry 31, Botany 331, Genetics 32a and Botany 350b, Physiology 21, Zoology 322a and Genetics 36b.

4th year: Physiology 31 or Bacteriology 21, Botany 222 if Botany 200 was taken in B.Sc.1 *and* one of either Botany 321 or 323 if Botany 222 was taken in B.Sc.1. In addition, the following:

Zoology 332 or Botany 343, Zoology 324 or 345. Plus *one* of Genetics 44, 45a, 43b, 40 or Zoology 337b or one other full course chosen in consultation with the assigned Department (see below).

At the end of each academic year, a Committee of three, from the Departments of Botany, Genetics and Zoology will review the student's progress and determine his eligibility to proceed further in this Course.

At the end of B.Sc.3, the same Committee will assign each student to a particular Department for the 4th year, as seems suitable in each case.

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CONCERNING STUDENTS WHO INTEND TO PROCEED INTO THE PROFESSIONAL FACULTIES

Each regular undergraduate in the faculty is required to register for one of the bachelor's degrees offered, and, unless otherwise instructed by the Dean, must follow the regular work of his year towards this degree.

Although there are no specially organized courses for preparing candidates for other faculties, it is possible to include the prerequisites to entrance to these faculties within the framework of the B.A. and B.Sc. curricula. Students intending to enter one of these faculties later should acquaint themselves with the entrance requirements as shown in the individual Announcements.

Students proceeding into the Professional Faculties should note particularly that admission to these Faculties is not automatic: regular application forms must in all cases be submitted in advance of the prescribed dates, accompanied by such other documents at the Faculties may required.

DENTISTRY: At least two years of the B.A. or B.Sc. courses are required for entrance to First year Dentistry. If a student wishes to enter after two such years he must take Physics 11 and Chemistry 111 in his First year in Arts and Science; the other subjects required are Chemistry 202 and Botany 100a (or b) and Zoology 100b (or a). Students who wish to prepare for Dentistry within the B.A. curriculum should select Option C in their First year and should include Chemistry 221 in their Second year.

DIVINITY: The prerequisite for admission to the Faculty of Divinity is a Bachelor's degree, preferably the B.A. It is advised that, when possible, the student intending to enter divinity should include the following courses in his Arts degree: Greek 1, 2 and 223; Philosophy 200 and 300 or 330 or 360; History 100 and 205 or 305 or 410; English 100 and one other course; Religion 200, 300 and 400 or 410. Students who are pursuing a double course in Arts and Science and Divinity (six years at least) may, in the Third and Fourth years, take the courses which constitute the ordinary curriculum in Arts and Science, less a half course each year, or a whole course in one year.

LAW: A minimum of two years in the Faculty of Arts and Science is required for admission into the Faculty of Law. Nevertheless, candidates proceeding to the Bar of the Province of Quebec must be British subjects, hold the degree of B.A. from a Canadian or British University and satisfy the Bar examiners that they have successfully completed "the regular course in Philosophy" in an approved university. Students are advised to take this course in Philosophy before entering the Faculty of Law. The following courses are available: Philosophy 200, 300, 310 and 320 (see page 1131). In addition candidates are expected to have a working knowledge of French.

MEDICINE: The Faculty of Medicine offers the following advice to students proceeding in pre-medical studies at McGill:

1. Absolutely required are courses in Physics, General and Organic Chemistry, and Biology. These requirements can be met by passing Physics 11; Chemistry 111 and 202; and Botany 100a (or b) and Zoology 100b (or a).

2. Other courses chosen for three pre-medical years should be so planned as to give the student more than elementary training in some definite field of knowledge, which may be selected from the Humanities, the Social Sciences, or the Physical or Biological Science. The curriculum for the three years should therefore be planned as a whole, so as to emphasize the selected field. Study in this field should be continued by students who fail to gain admittance to medicine after three years.

3. The curriculum must be in harmony with the requirements of the Faculty of Arts and Science for the B.A. or B.Sc. degree. English 100 and Mathematics will be taken in the First year. Continuation subject requirements must be complied with, and these subjects should be related to and reinforce each other, in the spirit of paragraph 2.

4. Students who wish to prepare for Medicine within the B.A. curriculum should select Option C in their First year and should include Chemistry 221 in their Second year.

5. Students entering through the B.Sc. curriculum will ordinarily complete the required courses (paragraph 1) very quickly and can proceed to specialize in the selected field. Those who expect to enter Medicine after three years are advised against taking prematurely the medical subjects such as Physiology, Biochemistry, Bacteriology, and Histology. There is, however, a definite place in Medicine for students who have completed an Honours course or a Master's degree in one of these sciences, or in Chemistry, Physics, etc.

6. Courses which are of value as preparation for medical studies, and of which some may be taken as electives or as extras if the curriculum in the major field permits, include Botany 100a (or b) and Zoology 100b (or a), Psychology 21, Sociology 210, Genetics 21, Zoology 211, 221, 321, 324, 325.

7. The Medical College Admission Test, conducted by the Educational Testing Service, should be taken in the second term of the Second year or the first term of the Third year.

DOUBLE COURSE IN SCIENCE AND MEDICINE

Beginning with the session 1960-61, a limited number of candidates may be admitted, on successful completion of junior matriculation, to a Double Course in Science and Medicine. For details of this course see the Announcement of the Faculty of Medicine, page 1606.

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B.A. AND B.Sc. DEGREES FOR STUDENTS IN MEDICINE AND DENTISTRY

Students who have completed with good second class standing three years of the General Course leading to the Arts degree and two years in the Faculty of Medicine or Dentistry will, on application, be recommended by the Faculty of Arts and Science for the B.A. degree, if they have satisfied all the specific requirements of the First, Second, and Third years for the B.A. degree as to subjects, and in each of the Second and Third years taken three courses in Arts subjects so chosen as to fulfil the requirement of continuation study or its equivalent.

Students completing three years in the course leading to either the Arts or the Science degree and two years in Medicine or Dentistry are entitled to apply to the Faculty of Arts and Science for the degree of B.Sc. Students will not, however, be recommended for the B.Sc. degree unless they have satisfied the specific requirements for that degree or their equivalent. Students with high distinction in the first years of the B.Sc. course who maintain that standing in the first two years in Medicine at McGill will be granted the degree with Distinction or Great Distinction.

SUMMER SCHOOL IN FRENCH

The French Summer School is held every year, commencing in the final week of June and lasting six weeks.

Its courses are distributed among three Sections: A, B, and C, one of which, Section A, is below college standard. They deal with the various aspects of language study as well as literature and civilization. Courses in spoken French are divided into small classes for the purpose of intensive oral drill. In this respect the School definitely supplements the instruction given in the Department in the winter session, when such oral practice is only incidental to the subject-matter of the courses offered and is never the primary objective. It should be noted that the First year course given in the French Section of the Department of Romance Languages is not a beginner's course and is conducted entirely in French. (The standard qualification for admission into Section A is two years of High School French.)

For this reason, students who find it difficult to understand, speak, or write French are recommended to avail themselves of the special facilities which the School offers in its three sections, and particularly in Sections A and B for a systematic study of the language, oral and written. Section C is specially intended for graduate students or students interested in pursuing higher studies in French.

With the permission of Faculty, courses in Section B and C may be counted towards the B.A. degree in cases where students need to make up the number of courses normally required for the degree. Students in Section C, who attend the School for at least four sessions and satisfy the requirements, can obtain an M.A. in French without having to reside at McGill during any of the winter sessions.

Students receive most benefit from the courses offered by the School if they choose to reside in one of the French Houses, where the use of French at all times is compulsory. Members of the teaching staff live in residence with the students and are constantly in helpful and friendly relationship with them. This informal education through daily association in the Common Room, at meals, and in social activities—which include sports, music, dramatics, and conducted visits through the beauty-spots of the Province of Quebec—is one of the most valued features of the School.

Reduced railway fares from all points in Canada have been arranged.

Applicants should address their inquiries to: The Director, French Summer School, Arts Building, McGill University, Montreal 2.

FEES

The regular and special fees payable by students in the Faculty of Arts and Science, including the School of Commerce, are shown below. The University reserves the right, however, to make changes without notice in its published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions as described in the General Information Pamphlet.

TUITION

REGULAR UNDERGRADUATES

Sessional Fee: Arts	$425.00
Science	475.00
Commerce	425.00
Courses repeated or substituted by Conditioned Students, per full course	10.00

LIMITED UNDERGRADUATES AND PARTIAL STUDENTS (Arts, Education, Science, Commerce)

Each full course (Arts, Education, and Commerce)	$115.00
(Science)	125.00
Each half course (Arts, Education, and Commerce)	57.50
(Science)	62.50
Courses in Physical Education taken by Partial Students in Arts, per hour, per week	5.00

For further particulars concerning fees of all kinds, and the governing regulations, see the General Information Pamphlet which is included in this Announcement.

PAYMENT OF FEES

Fees are due and payable at the Accounting Office during the hours 9:00 a.m. to 4:00 p.m, Saturday 9:00 a.m. to 12 noon, from Monday, September 18th to Friday, September 29th, inclusive. If desired, fees may be remitted by mail on or before the due dates.

A late fee of $2.00 is charged for payment after the specified dates.

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Courses of Lectures in Arts and Science

The following pages show the courses offered in the Faculty arranged according to Departments. These courses are listed by numbers and, where a small letter follows a number, the term in which the course is given is indicated: e.g., History 315a is given in the first term (October to January), History 315b in the second term (January to April).

In addition the words "full course," "half course," etc. indicate the course value. The letter L indicates laboratory and S a special course.

Unless otherwise stated, a full course begins in October and ends in April, whereas half courses are given in the term indicated. The number of hours of lectures given each week is shown immediately below the number of the course, and laboratory or conference hours are indicated separately.

An official timetable is available at the registration period.

It is the responsibility of each student to make sure at the time of registration that there is no conflict in the timetable of the courses which he proposes to follow.

Any course may be cancelled because of insufficient registration.

ANATOMY

Professors	C. P. LEBLOND, *Chairman* J. LANGMAN C. P. MARTIN
Associate Professors	S. M. BANFILL Y. CLERMONT
Assistant Professor	N. J. NADLER
Lecturers	E. W. WORKMAN L. HELLER
Research Associate	M. ENESCO
Teaching Fellow	D. PUDDY

Before registering for the following course, students must consult the Chairman of the Department to ensure that they are qualified to undertake the work.

MICROSCOPIC ANATOMY

6. HISTOLOGY (Half course). The course, which is part of the medical curriculum, consists of three weekly classes during the first half year. The course begins at the opening of the medical session, in September.

Three lectures and six hours laboratory per week, from approximately September 6th to the end of February.

Texts: Ham, Histology; Bailey, Textbook of Histology *or* Maximow and Bloom, Histology.

BACTERIOLOGY AND IMMUNOLOGY

Professor	R. W. REED, *Chairman*
Associate Professors	G. G. KALZ
	J. W. STEVENSON
Assistant Professors	FRITZ BLANK
	C. A. BUTAS
	F. A. HOLDEN
	A. M. MASSON
	B. H. MATHESON
	S. I. VAS
Lecturers	P. M. COOKE
	M. FRANKLIN
	L. KAPICA
	E. MANKIEWICZ
	S. NOMMIK
	F. H. PRISSICK
	R. SHILOV
Demonstrator	S. JUHASZ
Teaching Fellow	E. L. MEDZON

In addition to its courses in the Faculty of Medicine the Department offers the following to students in the Faculty of Arts and Science:

21. ELEMENTARY BACTERIOLOGY AND IMMUNOLOGY (Full course).

An introduction to the morphology, physiology and classification of the major groups of bacteria. The applications of bacteriology in medicine, agriculture and industry are discussed and the student is introduced to the elementary princples of applied immunology.

Both terms: Two lectures and five hours laboratory per week.

Prerequisites: First year Science with Botany 100a (or b) and Zoology 100b (or a). Chemistry 202 to be taken concurrently.

Text: Pelczar and Reid, Microbiology, 1st ed. 1958 (McGraw-Hill).

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32. SYSTEMATIC BACTERIOLOGY (Full course). First offered in 1961-62. An advanced systematic study of the bacteria.

Both terms: Two lectures and six hours laboratory per week.

Prerequisites: Bacteriology 21, and Chemistry 202. Biochemistry 31 to be taken concurrently.

Text: Burrows, Textbook of Microbiology, 17th ed. (Saunders), 1959.

33b. VIRUSES AND RICKETTSIAE (Half course). First offered in 1961-62. First term: Two lectures and three hours laboratory per week.

Prerequisites: Bacteriology 21. Bacteriology 32 to be taken concurrently.

Text: Burnet, Principles of Animal Virology, 2nd ed. (Academic Press), 1960.

44. MICROBIAL PHYSIOLOGY AND SPECIAL TECHNIQUES IN MICROBIOLOGY (Full Course). First offered in 1962-63.

Both terms: Two lectures and four hours laboratory per week.

Prerequisites: Bacteriology 21 and 32. It is recommended that Biochemistry 45 be taken concurrently.

45. ADVANCED IMMUNOLOGY (Full Course). A study of the fundamental aspects of immunology with practical applications.

First offered in 1961-62.

First term: Three lectures per week. Second term: Six hours laboratory per week.

Prerequisites: Bacteriology 21 and 32.

Text: Carpenter, Immunology and Serology (Saunders), 1958.

46b. SEMINARS IN MICROBIOLOGY AND IMMUNOLOGY (Half course). Open only to Honours students in Bacteriology and Immunology.

CURRICULUM FOR B.Sc. HONOURS IN BACTERIOLOGY AND IMMUNOLOGY

Prerequisite: An aggregate standing of high second class must be obtained in the subjects of the First and subsequent years. The Chairman of the Department must be consulted in selecting subjects to be studied in the Second, Third and Fourth years. The recommended courses of study have been found suitable for most students but may be modified to suit individual cases. The Honours curriculum is being revised progressively over the course of three years. This started with the introduction of a course in the Second year in the 1960-61 session. For this reason it has been necessary to present two schedules, one for students entering Second year in the 1960-61 and subsequent sessions and one for those who entered Third year in the 1960-61 session.

1. *Honours curriculum for students entering the Second year in the 1960-61 and subsequent sessions.*

First year: First year B.Sc. with Botany 100a (or b) and Zoology 100b (or a).

Second year: Bacteriology 21; Chemistry 202; Genetics 21; and a choice of two of the following courses: Zoology 221, Mathematics 224, Chemistry 241.

Third year: Bacteriology 32; Biochemistry 31; Botany 323; Physiology 21; Zoology 321.

Fourth year: Bacteriology 33b, 44, 45, 46b; Biochemistry 45; and 1 optional course chosen with the advice of the director.

2. *Honours curriculum for students who entered the Third year in the 1960-61 session.*

First year: First year B.Sc. with Botany 100a (or b) and Zoology 100b (or a).

Second year: Chemistry 202 and 241; Genetics 21; Physiology 21; Zoology 221.

Third year: Bacteriology 21; Biochemistry 31; Botany 23; Zoology 322a; one course elective.

Fourth year: Bacteriology 32, 33b, 45, 46b; Biochemistry 45; and 1 optional course chosen with the advice of the director.

CONTINUATION COURSES IN BACTERIOLOGY AND IMMUNOLOGY

Second year: Bacteriology 21
Third year: Bacteriology 32, 33b
Fourth year: Bacteriology 44, 45

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research

BIOCHEMISTRY

Professors

K. A. C. Elliott, *Chairman*
O. F. Denstedt
J. H. Quastel
D. L. Thomson

Associate Professors

M. Saffran
P. G. Scholefield
S. Solomon

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Assistant Professors

E. A. Hosein
Rose M. Johnstone
D. Rubenstein
C. C. Solomons

31. GENERAL BIOCHEMISTRY (Full course). A general survey of the chemical constituents of organisms and the reactions they undergo in biological systems.

3 hours. *Professor Saffran*

Prerequisite: Chemistry 221 and 222 or Chemistry 202. Physiology 21 recommended.

Text: White, Handler, Smith and Stetten, Principles of Biochemistry (McGraw-Hill).

37. LABORATORY METHODS IN BIOCHEMISTRY (Full course). Principles and practice of current methods of biochemical analysis.

1 lecture and 6 hours laboratory. *Professor Saffran*

The Department issues laboratory instructions.

Prerequisite: Biochemistry 31 (may be taken concurrently). Chemistry 231 recommended.

43. ADVANCED BIOLOGICAL CHEMISTRY (Full course). A detailed study of the organic chemistry and metabolic interrelationships of amino acids, proteins, carbohydrates, lipids, steriods and other biologically important substances.

3 hours. *Professor Denstedt*

Prerequisite: Biochemistry 31.

Text: Fruton and Simmonds, General Biochemistry (Wiley).

44. PHYSICAL ASPECTS OF BIOCHEMISTRY (Full course). Properties of electrolytes and solutions, thermodynamics, enzyme kinetics, physical methods (optical, gravitational, electrical, isotopic, chromatographic).

3 hours. *Professor Thomson*

Prerequisite: Biochemistry 31, Chemistry 24; Biochemistry 43 should be taken concurrently.

45. METABOLISM (Full course). The nature of biological oxidations and reductions and the enzymes concerned therewith, especially from the point of view of transfer of energy; the intermediary metabolism of organic foodstuffs, the hormonal control of metabolism.

First term: 2 hours.

Second term: 3 hours. *Professor Quastel and Staff*

Prerequisite: Biochemistry 31.

Texts: Baldwin, Dynamic Aspects of Biochemistry (Cambridge U.P.); Fruton and Simonds, General Biochemistry (Wiley).

47. ADVANCED PRACTICAL BIOCHEMISTRY (Two courses). For Honours students in the Department only.

Four periods. *Professor Hosein*

HONOURS COURSE

First year: First year B.Sc., Botany 100a (or (b) and Zoology 100b (or a).

Second year: Chemistry 221, 222, 231; Mathematics 224; Physiology 21; Zoology 321.

Third year: Biochemistry 31, 37; Chemistry 241.

Two courses chosen from the following:

Bacteriology 21; Genetics 44 or Mathematics 323 or Psychology 22 (a or b); Chemistry 321; Chemistry 322; Physics 23x; Physiology 31 plus 33.

Fourth year: Biochemistry 43, 44, 45, 47.

For those students who have not taken Bacteriology an introduction to bacteriological methods will be included in Course 47.

BOTANY

Professors MURIEL V. ROSCOE, *Chairman*
R. D. GIBBS

Associate Professors G. H. N. TOWERS
C. M. WILSON

Assictant Professors W. BOLL
P. F. MAYCOCK
H. C. WHISLER

100a, 100b. ELEMENTARY BOTANY (Half course). An introductory course in Botany dealing with the structure and functions of plants and their importance as living organisms.

2 hours lectures and 3 hours laboratory.

Professors Roscoe, Wilson, Whisler, Boll and Maycock

Note: Botany 100 (a or b) together with Zoology 100 (b or a) constitute a course which might be called "Biology 100". The student must take a half course in Botany 100 and a half course in Zoology 100, but in different terms of the same academic year.

200. THE PLANT KINGDOM (Full course). A survey of the morphology, life histories, and evolution of plants as exhibited by present day representatives. Emphasis is placed upon the significance and biological importance of plants among living organisms.

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2 hours lectures and 3 hours laboratory. *Professors Gibbs and Whisler*

Prerequisite: Botany 100 a or b.

222. PLANT ANATOMY (Full course). An introduction to the general organization and detailed anatomy of vascular plants including the relation between structure and function. The latter part of the course deals with comparative anatomy and the evolution of vascular plants and makes use of both fossil and living material.

2 hours lectures and 3 hours laboratory. *Professors Roscoe and Towers*

Prerequisite: Botany 100a or 100b.

244a. CANADIAN FLORA (Half course). A study of higher plants occurring naturally in Canada, including their recognition, collection, identification and classification. Field trips provide an opportunity for practical experience with the local flora.

2 hours lectures and 3 hours laboratory. Field trips early in the term. *Professor Maycock*

Prerequisite: Botany 100 a or b.

244b. ECONOMIC BOTANY (Half course). The nature, origins and distribution of plants of economic importance, with some study of structure of plant parts utilized.

First term: 2 hours lectures and 3 hours laboratory.

Professors Wilson and Roscoe

Prerequisites: Botany 100a or b.

321. TAXONOMY OF THE HIGHER PLANTS (Full course). A practical introduction to the morphology and classification of the seed plants of the world.

2 hours lectures and 3 hours laboratory. *Professor Gibbs*

Prerequisite: Botany 100a or b.

323. MYCOLOGY (Full course). General characteristics of the fungi: classification, morphology, and behavior. Attention is also given to the culturing and handling of fungi and their economic importance.

2 hours lectures and 3 hours laboratory. *Professor Wilson*

Prerequisite: Botany 100a or 100b.

331. PLANT PHYSIOLOGY (Full course). A general introduction to the study of the physiological functioning and reactions of plants. Topics such as water relations, photosynthesis, mineral nutrition, respiration, growth, and metabolism are discussed in detail.

2 hours lectures and 3 hours laboratory. *Professor Towers*

Prerequisite: Botany 100a or b and Chemistry 202.

343. PLANT ECOLOGY AND PLANT GEOGRAPHY (Full course). The relationships of plants to environment and factors limiting their distribution. The vegetation and floral regions of Canada and of the world are considered relative to adaptations to the physical and biotic environment.

2 hours lectures and 3 hours laboratory. Field trips early in the term.

Professor Maycock

Prerequisites: Botany 244a or 321. (Botany 244a or 321 may be taken concurrently.)

350b. PHYSIOLOGY OF THE PLANT CELL (Half course). A consideration of the structure and chemistry of plant cells and cell organelles in relation to the mechanisms of cellular processes and their control. Included are studies of physical properties of protoplasm, absorption, the nature of cell membranes, enzymes, basal metabolism, organic synthesis, nucleo-cytoplasmic interrelationships, cytoplasmic movement, cell division, growth and differentiation.

2 hours lectures and 3 hours laboratory *Professor Boll*

Prerequisites: Botany 100 a or b, Chemistry 202, Genetics 32a.

432. MORPHOLOGY AND TAXONOMY OF THE LOWER PLANTS (Full course). Life histories, structure, and relationships of the Algae, Fungi, Lichens, Mosses and Liverworts, Ferns, and other non-flowering plants.

2 hours lectures and 3 hours laboratory. *Professor Gibbs*

Prerequisite: Botany 200.

(*Given in 1962-63; Not given in 1961-62.*)

*433. PLANT BIOCHEMISTRY (Full course). Chemistry, occurrence, and roles of organic materials found in plants, and methods for their detection and estimation. Some reference is made to economic uses of plants.

2 hours lectures and 3 hours laboratory (6 hours laboratory for graduate and honours students). *Professors Gibbs and Towers*

Prerequisite: Botany 100a or b, Chemistry 202.

(*Given in 1961-62; not given in 1962-63.*)

*441. MICROTECHNIQUE (Full course). Methods of preparing plant material for microscopical study, with practical experience in fixing, embedding (both paraffin and celloidin), cutting, and staining.

1 hour lecture and 6 hours laboratory. *Professor Roscoe*

Prerequisite: Botany 222.

(*Given in 1962-63; not given in 1961-62.*)

*Courses for Advanced and Graduate students.

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*442. SPECIAL TOPICS (Full course or half course). Prescribed reading, conference, and practical work in selected subjects such as Anatomy, Ecology, Mycology, Physiology, Taxonomy of Special Groups, and Biochemistry.

The Staff

*445. PLANT MORPHOGENESIS (Full course). A survey of the physiological, biochemical, and genetic approaches to the experimental study of plant morphogenesis, including growth correlation, the function of plant hormones and the environmental control of plant development and morphology.

First term: 2 hours lectures and 3 hours laboratory.

Second term: 2 hours lectures and weekly seminar. *Professor Boll*

Prerequisite: Botany 100a or b, 200, 331, and Genetics 21.

(*Given in 1962-63; not given in 1961-62.*)

HONOURS COURSE IN BOTANY

Students are normally admitted to Honours in the Second year, on the basis of high academic standing. In special cases, they may be admitted at the beginning of the Third year. The selection of options is made in consultation with the Chairman of the Department.

First year:	The general B.Sc. curriculum—including Botany 100a or b and Zoology 100b or a.
Second year:	Botany 200, 222, 244a and b, Chemistry 202, Genetics 21.
Third year:	Botany 331, 321 *or* 432 *or* 433 (*or* one option, see below), Genetics 32a and Botany 350b and two options (see below).
Fourth year:	Botany 323, 343, 321 *or* 432 *or* 433 and two options (see below).
Options:	Botany 441, 442, 445, Modern Language (German, French or Russian), Genetics, Chemistry, Mathematics, Physiology, Bacteriology, Biochemistry, Physics, Zoology, or any Arts course. The inclusion of Zoology, Modern Language and Mathematics is recommended.

CONTINUATION COURSES IN BOTANY

Second year:	Botany 200, 222, 244a, 244b
Third year:	Botany 200, 222, 244a, 244b, 321, 323, 331, 343, 350b
Fourth year:	Botany 321, 323, 331, 343, 350b, 432, 433, 441, 442, 445 (With special permission, a Second year course may be elected)

Botany 100a or b (or its equivalent) is prerequisite to all further courses in Botany.

*Courses for Advanced and Graduate students.

GENERAL HONOURS IN BIOLOGICAL SCIENCES

Students who desire a planned course of study of plants and animals should consult the program for "General Honours in Biological Sciences", page 1026.

DEPARTMENT OF CHEMISTRY

Professors	CARL A. WINKLER, *Chairman*
	C. B. PURVES
	L. YAFFE
Associate Professors	R. K. HOLCOMB
	J. H. MENNIE
	R. V. V. NICHOLLS
	A. S. ROSS
	H. I. SCHIFF
	A. TAURINS
Assistant Professors	G. C. B. CAVE
	J. T. EDWARD
	G. E. JUST
	M. ONYSZCHUK
	R. F. ROBERTSON
	A. SEHON
Research Associates	D. A. I. GORING
	O. MAASS
	R. STJ. MANLEY
	S. G. MASON
	W. A. MUELLER
	A. A. ROBERTSON
	T. TIMELL
Senior Instructor	C. E. DROVER

111. (Fac. Eng. 902) GENERAL CHEMISTRY (Full course). A general survey of Inorganic Chemistry. This includes Atomic and Kinetic-Molecular theory, the theory of Ionization, with elementary examples of ionic equilibrium, rates of chemical reaction, law of mass action, oxidation and reduction, the electromotive series of the metals, the Periodic Law and the Electronic theory of Valence. The preparation and properties of the more important elements and their compounds in relation to atomic and molecular structures are emphasized.

2 lectures per week. *Professors Just, Nicholls, Onyszchuk, Winkler and Yaffe*

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1 tutorial per week. *Professors Holcomb, Nicholls and Onyszchuk*

Text: Luder, Vernon and Zuffanti, General Chemistry, 2nd ed. (Saunders).

Laboratory: The lectures are supplemented by descriptive and quantitative experiments, including volumetric analysis, illustrative of the important principles and theories.

3 hours per week. *Professors Holcomb, Nicholls and Onyszchuk*

Prerequisites: Physics 11 and Mathematics 111 (or their equivalents) unless taken concurrently.

202. ORGANIC CHEMISTRY (INTRODUCTORY) (Full course). A survey of the chemistry of carbon and of the principal families of its compounds, including a commentary on their nomenclature, occurrence, preparation, properties and uses. Monofunctional compounds and the principles of homology, functionality and isomerism will be stressed.

2 lectures and 1 tutorial per week. *Professor Nicholls*

Text: Brewster, Organic Chemistry, A Brief Course (Prentice-Hall).

Laboratory: Illustrative experiments.

3 hours per week. *Professor Edward*

Laboratory Text: Fieser, Experiments in Organic Chemistry, 3rd ed. (Heath and Co.).

Prerequisites: Chemistry 111 and Physics 11 or their equivalents.

211. (Fac. Eng. 940) INORGANIC CHEMISTRY (INTRODUCTORY) (Full course). A systematic, detailed description of the properties of the elements and their compounds based upon the periodic classification of the elements. This includes an introduction to the relation between properties, structure and types of bonding.

2 lectures per week. *Professors Holcomb and Onyszchuk*

Text: R. B. Heslop and P. L. Robinson, Inorganic Chemistry (Elsevier).

Prerequisite: Chemistry 111 or its equivalent.

212. INORGANIC CHEMISTRY LABORATORY (Half course). The preparation, purification, analyses and reactions illustrative of the general methods and types of compounds discussed above (211). The reactions and solubility relations of the cations and anions are included, together with the methods for their separation and identification.

First term: 6 hours per week. *Professors Holcomb and Onyszchuk*

For Honours Chemistry students only.

221. (Fac. Eng. 952) ORGANIC CHEMISTRY (INTRODUCTORY) (Full course). A survey of the nomenclature, occurrence, preparation, properties and

uses of the more important classes of carbon compounds, and of the principles of functionality and isomerism. Greater stress will be laid on aliphatic chemistry, including carbohydrates and proteins, than on the chemistry of aromatic and heterocyclic compounds.

3 lectures and 1 tutorial per week. *Professor Purves*

Text: To be announced.

Prerequisites: Chemistry 111 and Physics 11 or their equivalents.

222. ORGANIC CHEMISTRY LABORATORY (Half course).

Second term: 6 hours per week. *Professor Edward*

Text: Fieser, Experiments in Organic Chemistry, 3rd ed. (Heath and Co.).

For Honours students only.

230. (Fac. Eng. 954) INORGANIC QUANTITIVE ANALYSIS (Half course). This course is intended for students specializing in Geology. Lectures are the same as in Chemistry 231.

Laboratory: Representative volumetric and gravimetric laboratory procedures.

1 lecture and 3 hours laboratory per week. *Professor Mennie*

Text: Kolthoff and Sandell, Quantitative Inorganic Analysis (Macmillan).

Prerequisite: Chemistry 111 or its equivalent.

231. (Fac. Eng. 944) INORGANIC QUANTITATIVE ANALYSIS (INTRODUCTORY) (Full course). Reactions of electrolytes in solution; ionization constant; solubility product constant; common-ion effect. Theory of gravimetric and volumetric precipitation; theory of indicators and acid-base titrations; oxidation-reduction methods.

Laboratory: Simple gravimetric determinations; typical volumetric procedures including precipitation, neutralization, and oxidation-reduction methods. All samples are solids which must be weighed and brought into solution by the student.

1 lecture and 6 hours laboratory per week. *Professor Mennie*

Text: Kolthoff and Sandell, Quantitative Inorganic Analysis (Macmillan).

Prerequisite: Chemistry 111 or its equivalent.

241. PHYSICAL CHEMISTRY (INTRODUCTORY) (Full course). Fundamental physico-chemical topics including states of matter, equilibria, electrochemical phenomena, chemical kinetics, thermodynamics.

3 lectures per week. *Professor Winkler*

Text: W. H. Hamill and R. R. Williams, Principles of Physical Chemistry (Prentice-Hall).

Prerequisites: Chemistry 111, Physics 11, Maths 223 or 224 (or equivalent) unless taken concurrently.

302. ORGANIC CHEMISTRY (Full course). A course in descriptive organic chemistry at an advanced level. It develops and extends the material presented in Chemistry 202. Special consideration is given to the following topics: polyfunctional compounds, aromatic substances, heterocyclic compounds and terpenes.

2 lectures per week. *Professor Taurins*

Text: To be announced.

Prerequisite: Chemistry 202.

311. ATOMIC STRUCTURE AND VALENCE THEORIES (Full course).

2 lectures per week. *Professors Onyszchuk and Yaffe*

Prerequisite: Chemistry 211, 241 (unless taken concurrently), Physics 11, Mathematics 223 or 224 or 225.

320. (Fac. Eng. 972) ORGANIC CHEMISTRY LABORATORY (Half course).

6 hours per week. *Professors Edward and Just*

Text: Fieser, Experiments in Organic Chemistry, 3rd ed. (Heath and Co.).

Prerequisite: Chemistry 221.

321. ORGANIC CHEMISTRY (Full course). A discussion at an advanced level of the important classes of compounds and types of reactions in organic chemistry.

2 lectures per week. *Professor Just*

Text: To be announced.

Prerequisites: Chemistry 221 and either 222 or 320 (the latter course may be taken concurrently).

322. ORGANIC CHEMISTRY LABORATORY (Half course).

6 hours per week. *Professor Just*

Texts: Fieser, Experiments in Organic Chemistry, 3rd ed. (Heath and Co.); Shriner, Fuson and Curtin, The Systematic Identification of Organic Compounds, 4th ed. (Wiley).

Prerequisites: Chemistry 302 or 321 (either of these courses may be taken concurrently).

331. INORGANIC QUANTITATIVE ANALYSIS (ADVANCED) (Full course). Sampling; decomposition of naturally-occurring materials and alloys; theory and practice of modern and of classical methods for separating metals;

introduction to some modern volumetric reagents and indicators; colorimetric, and electro-analytical methods for the determination of elements.

1 lecture, 1 tutorial and 3 hours laboratory per week. *Professor Cave*

Text: To be announced.

References: Charlot and Bézier, Quantitative Inorganic Analysis, translated by Murray (Wiley); Hillebrand, Lundell, Bright, and Hoffman, Applied Inorganic Analysis (Wiley); Kolthoff and Sandell, Inorganic Quantitative Analysis (Macmillan).

Prerequisites: Chemistry 211 and 231.

For Honours Chemistry students only.

342. (Fac. Eng. 968) PHYSICAL CHEMISTRY LABORATORY (Half course). Simple physico-chemical methods of investigating kinetic and thermodynamic properties of gases, liquids and solutions.

3 hours per week. *Professor Ross*

Text: Daniels, Matthews, Williams, Bender and Alberty, Experimental Physical Chemistry, 5th ed. (McGraw-Hill).

References: Livingston, Physico-Chemical Experiments (Macmillan); Palmer, Experimental Physical Chemistry (Cambridge).

Prerequisite: Chemistry 241.

345. (Fac. Eng. 964) CHEMICAL THERMODYNAMICS AND ELECTROCHEMISTRY. First and second laws, entropy, free energy, activity and fugacity in ideal and real solutions. Solutions of strong electrolytes. Electrode potentials, electro-chemical cells, electrolytic conduction and electrolysis, specific and equivalent conduction, mobility and transport numbers, overvoltage and polarization.

3 lectures per week. *Professor Robertson*

Texts: Klotz, Chemical Thermodynamics (Prentice-Hall); Lewis and Randall, Thermodynamics (McGraw-Hill); Glasstone, Introduction to Electrochemistry (Van Nostrand).

Prerequisite: Chemistry 241.

411. INORGANIC CHEMISTRY (Full course). Selected topics in inorganic chemistry.

2 lectures per week. *Professors Frueh, Holcomb, Onyszchuk and Yaffe*

Prerequisite: Chemistry 311.

For Honours Chemistry students only.

412. INORGANIC CHEMISTRY LABORATORY (Half course). An introduction to modern techniques for the preparation of inorganic compounds.

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Second term: 6 hours per week *Professors Holcomb and Onyszchuk*

Prerequisite: Chemistry 212.

For Honours Chemistry students only.

421. ORGANIC CHEMISTRY (Full course). Selected topics in organic chemistry, including natural products, stereochemistry and reaction mechanisms.

2 lectures per week. *Professor Edward*

Prerequisite: Chemistry 321.

For Honours Chemistry students only.

422. ORGANIC CHEMISTRY LABORATORY (Half course). An introduction to modern techniques in organic chemistry, including chromatography of various types, extraction, electrophoresis, etc.

First term: 6 hours per week. *Professor Taurins*

Text: Linstead, Elvidge and Whalley, A course in Modern Techniques of Organic Chemistry (Butterworth).

Prerequisite: Chemistry 322.

For Honours Chemistry students only.

433. INSTRUMENTAL METHODS OF ANALYSIS (Half course). An introduction to modern techniques of chemical analysis, including gas chromatography, mass spectrometry, chemical microscopy, x-ray diffraction, measurements of radioactivity, infrared and ultra-violet spectrophotometry, optical spectrography; x-ray fluorescence spectrometry, polarography, etc.

First term: 1 lecture per week. *Professor Cave and others*

Second term: 6 hours laboratory per week.

Prerequisites: Chemistry 311 and 331.

For Honours Chemistry students only.

442. PHYSICAL CHEMISTRY LABORATORY (Full course). More advanced physico-chemical methods of investigating kinetic and thermo-dynamic properties of gases, liquids, solutions, and colloids.

6 hours per week. *Professor Ross*

Text: Daniels, Mathews, Williams, Bender and Alberty, Experimental Physical Chemistry, 5th ed. (McGraw-Hill).

References: Weissberger, Techniques of Organic Chemistry, Vol. I, Physical Methods, Vol. IV, Distillation, Vol. VIII, Investigation of Rates and Mechanisms of Reactions (Interscience); Reilly and Rae, Physico-Chemical Methods (Van Nostrand).

Prerequisites: Chemistry 342 and 345.

For Honours Chemistry students only.

444. KINETIC THEORY AND CHEMICAL KINETICS (Full course). Description of physical phenomena in terms of statistical distribution functions, concept of cross section, transport phenomena, dynamics of two-particle encounters, measurement and calculation of rates of chemical reactions, energetics of reactions, theories of reaction mechanism, heterogenous and homogeneous catalysis.

2 lectures per week. *Professor Sehon*

References: Moelwyn-Hughes, Physical Chemistry (Pergamon Press); Glasstone, Text-Book of Physical Chemistry (Van Nostrand); Present, Kinetic Theory of Gases (McGraw-Hill); Laidler, Chemical Kinetics (McGraw-Hill); Trotman-Dickenson, Gas Kinetics (Butterworth).

Prerequisites: Chemistry 241 and 345.

445. INTRODUCTION TO QUANTUM MECHANICS AND STATISTICAL THERMODYNAMICS (Full course). Solution of Schrödinger equation for simple models; interpretation of atomic and molecular spectra; derivation of thermodynamic properties from spectral data.

2 lectures per week. *Professor Schiff*

References: Herzberg, Atomic Spectra and Atomic Structure (Dover Publication); Herzberg, Spectra of Diatomic Molecules, 2nd ed. (Van Nostrand); Pitzu, Quantum Chemistry (Prentice-Hall); Aston and Fritz, Thermodynamics and Statistical Thermodynamics (Wiley).

Prerequisite: Chemistry 345.

461. (Fac. Eng. 986) COLLOID CHEMISTRY (Half course). Descriptive, thermodynamic and kinetic treatment of properties of surfaces, sols, emulsions, gels.

1 lecture per week. *Professor Robertson*

References: Weiser, Colloid Chemistry (Wiley); Adam, Physics and Chemistry of Surfaces (Oxford); Brunauer, Adsorption of Gases and Vapors, Vol. I (Princeton); Alexander and Johnson, Colloid Science (Oxford); Harkins, Physical Chemistry of Surface Films (Reinhold); Jirgensons and Straumanis, Short Textbook of Colloid Chemistry (Wiley); Gregg, The Surface Chemistry of Solids (Reinhold).

Prerequisite: Chemistry 345.

470. (Fac. Eng. 966) CHEMISTRY AND TECHNOLOGY OF HIGH POLYMERS (Half course). Organic (carbon) and inorganic (silicon) polymers; nature of polymeric molecules; relationship between molecular structure and physical, chemical, and mechanical properties; experimental methods for controlling and determining the structures of polymers; properties of commercially available materials; methods of fabrication.

1 lecture per week. *Professor Nicholls*

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Prerequisites: Chemistry 221 and 320 or 202 and 302 (the latter course may be taken concurrently).

481. RADIOCHEMISTRY (Half course). An extra half course for Fourth year Honours students. A number of lectures will be given dealing with fundamentals of radiochemistry, radio-tracer techniques and applications. The remainder of the lectures will be devoted to special topics including isotope effects, exchange reactions, C^{14} dating technique, synthesis of the new elements, etc.

1 lecture per week. *Professor Yaffe*

Prerequisite: To be discussed between prospective student and lecturer.

491. HISTORY OF CHEMISTRY (Half course). A general survey of the history of chemistry from the earliest times, with particular reference to its evolution as a science since 1700. Special consideration is given to the development of chemical concepts and theories, and to their impact upon other sciences and upon society. A substantial term essay is required.

1 lecture and 1 seminar per week *Professor Nicholls*

Prerequisites: Chemistry 211, 202 or 221, and 241 or their equivalents.

090. SCIENCE IN ECONOMIC LIFE (Full course). The special character of science pure and applied; the history of science in general, and chemistry in particular, in Western Europe, the United States and Canada; the role of science and chemistry in providing the necessities of life; future prospects for novel materials and energy sources; role of research and development; economic factors affecting the Canadian chemical industry.

This course is intended primarily for B.Com. students.

2 lectures per week and term essay. *Professor Nicholls*

Text: Selected readings.

B.Sc. HONOURS COURSE IN CHEMISTRY

This course begins in the Second year. First year students intending to take Honours in Chemistry should consult the Department before the end of the session.

Second and Third year Honours students may make application for summer employment in the research laboratories of the department.

Prerequisites: At least good second class standing in Chemistry 111, Mathematics 111, and Physics 11 or their equivalents.

Second year: Chemistry 211, 212, 221, 222, 231, 241; Mathematics 222 and either 223 or 225.

Third year: Chemistry 311, 321, 322, 331, 342, 345; Mathematics 332; Physics 23.

Fourth year: Chemistry 411, 421, 412 or 422, 433, 442, 444, 445, 461, 491; Mathematics 447; Physics 33.

NOTE:—Students anticipating specialization in Chemistry are recommended to include Intermediate Mathematics in their Junior Matriculation subjects. If they enter by Senior Matriculation they should include Co-ordinate Geometry in this examination.

JOINT HONOURS COURSES

These courses begin in the Second year and require five years. Students who have completed a joint honours course with satisfactory standing, are eligible to proceed with postgraduate work in either of the two subjects of the joint honours course.

Students who have successfully completed the Second year of the Honours Chemistry course, may elect to enter the Third year of the joint honours course in either Chemistry and Physics or Chemistry and Applied Mathematics.

(a) Joint Honours in Chemistry and Physics

Prerequisites: as for Honours Chemistry.

Second year: as for Honours Chemistry.

Third year: Chemistry 311, 321, 322, 342; Physics 23, 24; Mathematics 333, 334.

Fourth year: Chemistry 331, 345; Physics 31, 33, 36, 42, 48, 49.

Fifth year: Chemistry 442, 444, 445, 461; Physics 40, 43b, 44a, 45, 46b.

(b) Joint Honours in Chemistry and Applied Mathematics

Prerequisites: as for Honours Chemistry.

Second year: as for Honours Chemistry.

Third year: Chemistry 311, 321, 322; Mathematics 227b, 331, 333; Physics 23.

Four year: Chemistry 331, 342, 345; Mathematics 334, 345a, 452a; Physics 33, 43b.

Fifth year: Chemistry 442, 444, 445, 461; Mathematics 441, 451; Physics 40, 42.

GENERAL COURSE STUDENTS

B.Sc.—Provided the necessary prerequisites (Chemistry 111, Physics 11, Mathematics 111, or their equivalents) have been passed, courses in chemistry may be selected from Chemistry 212, 202 or 221, 231, 241, 311, 302 or 320, 345, and other courses by special permission of the Department. *For continuation in Chemistry, at least one of the courses chosen must be beyond the introductory level.*

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The Department of Chemistry would be glad to discuss with the student an appropriate plan of study.

B.A. students normally are admitted to Chemistry 111 only in their Second year *after* passing Physics 11 in their First year and if they plan to take a Chemistry course in a later year.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

CLASSICS

Associate Professors	PAUL F. MCCULLAGH, *Chairman* E. M. COUNSELL COLIN D. GORDON
Assistant Professor	GERALD R. VALLILEE
Lecturers	J. B. E. GARSTANG ALBERT SCHACHTER E. MARIE SPENCE

GREEK

Courses numbered 221 and above are available to General Course students in the Second, Third or Fourth year.

1. BEGINNERS' GREEK (Full course). For students who have not matriculated in Greek.

   3 hours. *Mr. Schachter*

   Text: Greek through Reading (Nairn, Ginn & Co.).

2. IMTERMEDIATE GREEK (Full course). Grammer, readings, and studies in Greek Literature.

   Prerequisite: Greek 1, except by permission of the Chairman of the Department.

   3 hours. *Miss Spence*

   Texts: Selections from Xenophon; prose composition; Homer, selections.

221. GREEK (Full course). Readings in Plato.

   Prerequisite: Matriculation Greek, or Greek 2.

   3 hours. *Professor Counsell*

222. GREEK (Full course). Readings in Homer; Attic prose selections; prose composition.

   3 hours *Mr. Garstang*

223. GREEK (Full course). Greek Drama.
3 hours. *Miss Spence*

331. GREEK (Full course). Greek Drama.
3 hours. (*Not given in 1961-62.*)

332. GREEK (Full course). Greek Historians.
3 hours. (*Not given in 1961-62.*)

333. GREEK (Full course). Reading course. Authors to be chosen according to interests and ability of students. Registration limited.
3 hours. *Members of the Department*

441. GREEK (Full course). Greek Orators.
3 hours. (*Not given in 1961-62.*)

442. GREEK (Full course). Greek Philosophy.
3 hours. *Professor McCullagh*

Texts: Plato, Republic (Selections); Aristotle, Ethics (Selections); Sight Translation.

For Honours courses, continuation courses and other courses in Classics see below (page 1053).

LATIN

Courses numbered 221 and above are available to General Course Students in the Second, Third or Fourth year. Only certain courses from those numbered 223-442 are given in any one session.

1. BEGINNERS' LATIN (Full course). Students who have passed the McGill School Certificate examination in Latin or its equivalent are not permitted to elect this course.
3 hours. *Members of the Department*

2. INTERMEDIATE LATIN (Full course).
Prerequisite: Latin 1.
3 hours. *Members of the Department*

100. LATIN. First year (Full course). The completion of this course and one other fufils the Foreign Language requirement for the B.A. degree. Reading selections, composition and sight translation.
3 hours. *Members of the Department*

221. LATIN (Full course). Roman Comedy.
3 hours. (*Not given in 1961-62.*)

222. LATIN (Full course). Readings in Caesar and Horace (Odes); prose composition. *Professor Counsell*

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223. LATIN (Full course). Readings in Vergil, Ovid and Livy.
3 hours. *Mr. Garstang*

300. LATIN (Full course). Roman Stoicism and Epicureanism. Selected readings from Lucretius, de Rerum Natura and Cicero, de Finibus and de Natura Deorum.
3 hours. *Professor McCullagh*

332. LATIN (Full course). Readings from the Bucolics and Georgics.
3 hours. (*Not given in 1961-62.*)

333. LATIN (Full course). Reading course. Authors to be chosen according to interests and ability of students. Registration limited.
3 hours. *Members of the Department*

441. LATIN (Full course). Juvenal and Pliny; prose composition.
3 hours. *Professor Counsell*

442. LATIN (Full course). Roman Satire: Horace and Juvenal.
3 hours. (*Not given in 1961-62.*)

For Honours courses, continuation courses and other courses in Classics, see below (page 1053).

OTHER COURSES

ANCIENT HISTORY 110.—GREEK AND ROMAN HISTORY (Full course). A general course available both to First year students and to those in the upper years. A survey of Greek and Roman history from the origins to the beginning of the Middle Ages.
3 hours. *Professor Gordon*

Text: Ancient History, C. E. Robinson (Macmillan).

ANCIENT HISTORY 221.—GREEK HISTORY (Full course). The origin, development, achievements, and decay of the Greek city-state society, from the time of Homer to Alexander the Great. Particular attention will be paid to Greek life and culture and to Greek contributions to modern civilization.
3 hours. *Professor Gordon*

Ancient History 110, though not a prerequisite, is desirable for students taking this course and Ancient History 222.

ANCIENT HISTORY 222.—ROMAN HISTORY (Full course). The political and social development of the Roman state from its origins to the time of Augustus, with particular attention to the collapse of the Republic and the founding of the Principate.
3 hours. (*Not given in 1961-62.*) *Professor Gordon*

CLASSICS 200.—CLASSICS IN TRANSLATION (Full course). For Second, Third and Fourth year students. Each student will select, for special study, one of four fields (Epic Poetry, Drama, History, Ethical and Political Theory). The examination will be in two parts of equal value, one on the special field, the other on general knowledge.

3 hours. *Professor McCullagh*

CLASSICS 331.—COMPARATIVE GRAMMAR. For Third year Honours students (Half course).

2 hours. (*Not given in 1961-62.*)

LINGUISTICS 221.—INTRODUCTION TO THE STUDY OF LANGUAGE. Available to Second, Third, and Fourth year students (Full course). An elementary survey of human speech, its nature, origin, structure, and classification; principles of linguistic change; writing and the alphabet; universal and auxiliary languages.

3 hours. (*Not given in 1961-62.*)

HONOURS COURSES IN CLASSICS

Students will take two full courses each year both in Latin and in Greek, and, in addition, Classics 331 and Ancient History 110.

HONOURS COURSES IN LATIN

In the Second year students will complete two courses in Latin and three other approved courses; in each of the Third and Fourth years three courses in Latin and two other approved courses.

Honours in Latin or Greek may be combined with Honours in another subject, as follows:

1. **Greek and Philosophy.** Students entering without Greek must take Greek in the First year. *Second year:* two courses of Greek 221, 222, 223; Philosophy 200 and 300 (if the special field is Ethics) or Philosophy 200 and either 310 or 320 (if the special field is Systematic Philosophy). *Third year:* Greek 331 and 332; Philosophy 350 and 360. *Fourth year:* Greek 441 and 442; Philosophy 370 or 420 or 440 or 340; Philosophy 400 (if the special field is Ethics) or Philosophy 410 (if the special field is Systematic Philosophy). Additional courses must be approved by the two Departments.

2. **Latin and Philosophy.** Students will take the regular Latin course of the First year. *Second year:* two courses of Latin 221, 222, 223, Philosophy 200 and 300 (if the special field is Ethics) or Philosophy 200 and either 310 or 320 (if the special field is Systematic Philosophy). *Third year:* Latin 331 and 332; Philosophy 350 and 360. *Fourth year:* Latin 441 and

442; Philosophy 370 or 420 or 440 or 450; Philosophy 400 (if the special field is Ethics) or Philosophy 410 (if the special field is Systematic Philosophy). Additional courses must be approved by the two Departments.

3. **Latin and Spanish** Students will take the regular Latin and Spanish courses of the First year. *Second year:* Two courses of Latin 221, 222, 223; Spanish 21 and 22; Linguistics 221. *Third year:* Latin 331 and 332, Spanish 31 and 33. *Fourth year:* Latin 441 and 442; Spanish 41 and 42. An additional course may be required in the Third and the Fourth year.

4. **Latin and English.** See description under the Department of English.

5. **Greek and English.** See description under the Department of English.

6. **Latin and French.** See description under the Department of Romance Languages.

7. **Latin and German.** See description under the Department of German.

8. **Greek and German.** See description under the Department of German.

All Honours courses must be approved by the Department.

CONTINUATION COURSES

Students offering Latin (or Greek) as a Continuation subject will take one course in their Second and Third year, and one or two courses in their Fourth year.

GRADUATE COURSES IN CLASSICS

See the Announcement of the Faculty of Graduate Studies and Research.

ECONOMICS AND POLITICAL SCIENCE

Professors

J. R. Mallory, *Chairman*
E. F. Beach
F. C. James
H. D. Woods
D. McC. Wright

Associate Professors

Irving Brecher
Michael Brecher
K. B. Callard
J. T. Culliton
B. E. Supple
J. C. Weldon

Assistant Professors	A. Asimakopulos S. J. Frankel M. K. Oliver Sylvia Ostry G. M. Taylor
Lecturer	I. D. Pal
Sessional Lecturers	Kari Levitt L. Simcoe

With the assistance of School of Commerce Professors D. E. Armstrong and P. Briant.

ECONOMICS COURSES

100. ECONOMIC HISTORY. First year (Full course). Evolution of economic institutions; the ancient empires; economic and social aspects of the decline and fall of the Roman Empire; mediaeval agrarian economy; fairs, towns and trading companies; mediaeval money; the voyages of discovery; religion and the rise of capitalism; nationalism and mercantilism; the colonial system; the beginnings of modern banking; the great inventions and the factory system; North American industrial development; trade unions and the co-operative movement; legislative protection of the worker; international finance; rise and fall of the gold standard; evolution of the central banking function; recent economic changes.

3 hours. *Professor Supple*

211H. INTRODUCTION TO ECONOMIC THEORY. Second year (Full course). An introduction to economic analysis covering general price theory, the theory of the firm, theory of production and distribution, and general equilibrium theory.

3 hours. *Professor Asimakopulos*

This course is prerequisite to all Honours courses in Economics.

211G. ELEMENTS OF POLITICAL ECONOMY. Second year (Full course). Production, distribution, and exchange of goods; money and banking; price; international trade and foreign exchange; labour and trade unions; related topics.

3 hours. *Professors Culliton and Weldon*

This course is prerequisite to all courses in Economics except Economics 100 and 361.

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211C. PRINCIPLES OF ECONOMICS. Second year (Full course). An introduction to the general principles of economics, covering monetary systems, price levels, national income, production, competition, and international trade.

3 hours. *Professor Wright*

This course is prerequisite to all courses in Economics except Economics 100 and 361.

300. ECONOMIC HISTORY OF MODERN BRITAIN. Third or Fourth year (Full course). Traces the economic evolution of Britain from the medieval system to the present day. The structure as well as the performance of the economy is emphasized. Particular attention is paid to the organization of, and the shifting balance between, agriculture, industry, trade and finance; the predominant economic institutions and classes in each period; population changes and the standard of living; economic growth and industrialism; the changing nature of business enterprise; economic attitudes and government policy; Britain's role in the international economy.

3 hours. (*Not given in 1961-62.*) *Professor Supple*

301. NORTH AMERICAN ECONOMIC HISTORY AND ECONOMIC DEVELOPMENT. An historical consideration of economic and social institutions and economic change, principally in Canada and the United States, and in the last 200 years. Canadian economic development will be treated within the context of a changing international economy, and will be compared with the experience of other developing economies. Among specific topics will be: the relationships between economic and social institutions, geography, and staple products; the changing role of international trade, investment and immigration; population, capital, enterprise, and technology in North-American history; government policy, political rivalry and economic growth; transportation, industrialization, and the emergence of modern Canada. The principal objects will be (a) to examine the outstanding characteristics of economic and social evolution; (b) to explain the pattern of development at different periods; and (c) to compare the experience of Canada and the United States.

3 hours. *Professor Supple*

311. HISTORY OF ECONOMIC THOUGHT. Third or Fourth year (Full course). A critical study of the writings of the great economists, with particular reference to the period from Adam Smith to the present day.

For Honours students only.

3 hours. *Professor Irving Brecher*

321G. MONEY AND BANKING. Third year (Full course). Theory and practice of money and credit; organization and operations of financial institutions; monetary policy; concept and function of money; early history of credit institutions; the crisis of 1825, the Peel Bank Act, and

the development of the British financial system; the National Banking System in U.S. and the evolution of the Federal Reserve System; early development of Canadian banking; effects of World Wars I and II and of the Great Depression on U.S., U.K., and Canadian banking; monetary policy and economic fluctuations.

3 hours. *Professor* ———

321H. MONEY AND BANKING. Third year (Full Course).
For Honours Students.

3 hours. *Professor Weldon*

331. ECONOMIC POLICY. Third and Fourth year (Full course). A study of governmental economic policy in its political and administrative setting. Topics to be discussed will include monetary policy, fiscal policy, commercial policy, antimonopoly policy, labour and social security, and economic planning. Canadian aspects of these problems will be stressed.

3 hours. *Professors I. Brecher and Ostry*

Prerequisite: Economics 211C, G, or H and Political Science 211G or H or 212. This course may be taken for continuation in Political Science.

335a. MONOPOLY, COMPETITION, AND PUBLIC POLICY. Third and Fourth year (Half course). A study of the structure and performance of industrial markets, with particular emphasis on the problems of maintaining effective competition. Canadian, American and British experience will be examined. Readings will cover leading law cases, as well as relevant economic literature.

Professor Irving Brecher

341. THEORY AND PRACTICE OF THE LABOUR MOVEMENT. This course will deal with the historical development of the labour movement and will include consideration of trade unionism, corporations and credit unions, and the political activities of labour. It will be confined principally to Canada, the United Kingdom and the United States. Various theories of the labour movement will be examined critically, and the organization, structure, and functioning of Canadian labour and collective bargaining will be examined in considerable detail. Public policy and the functions of public agencies concerned with the application of social policy will also be reviewed.

3 hours. *Professor H. D. Woods*

342. LABOUR ECONOMICS. An examination of the major areas in the field of the economics of labour: labour markets, labour force and population, industrial and occupational trends in manpower utilization, wage determination, the evolution of wage structures, the economic impact of the

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union, government policy in the labour field, unemployment, wages hour policy, social security. Insofar as is possible, special attention will be paid to Canadian aspects of the various topics.

3 hours. *Professor S. Ostry*

351. CANADA: GEOGRAPHIC, INDUSTRIAL, AND ECONOMIC PROBLEMS. Third year (Full course). This course consists of discussions on current economic and political problems in Canada with special emphasis on their origins, causes, and possible solutions, e.g., the wheat problem, the coal problem, etc.

3 hours. *Professor Culliton*

361G. ECONOMIC STATISTICS. Third year (Full course). Description of frequency distributions including averages, dispersion, and skewness. Charting and analysis of time series: trend lines, seasonal indexes, and measurement of cyclical fluctuations. Index numbers. Simple linear correlation. An introduction to Statistical Inference covering the following topics: elementary distributions, sampling, tests of statistical hypotheses, and estimation of population parameters.

2 hours lectures, 2 hours laboratory. *Professor Beach*

Prerequisite: Mathematics 111; Economics 211 is not a prerequisite.

361H. ECONOMIC STATISTICS. Third year (Full course).

For Honours students only.

2 hours lectures, 2 hours laboratory. *Professor Asimakopulos*

363. MATHEMATICAL ECONOMICS. Third or Fourth year (Full course). An elementary mathematical treatment of basic economic theory including static and dynamic models of markets and of economic systems.

3 hours. *Professor Beach*

By consent of the instructor.

371. CAPITALISM, SOCIALISM, AND DEMOCRACY. Third or Fourth year (Full course). This course explores the relationship between political thought and economic organization. The course begins with a critical analysis of Marxism-Leninism as a theory of politics, economics and science. From this it passes to the various "revisionist" and reformist socialisms—Fabianism etc. The last third of the course is taken up by an analysis of the various theories of "democracy" and of the economic market. Readings include selections from Schumpeter, Hayek, Lenin, Marx, Burke, Whitehead, the American Constitutionalists, and others.

3 hours. *Professor Wright*

This course may be taken for continuation in Political Science.

411. ADVANCED ECONOMIC THEORY. Fourth year (Full course). An attempt to formulate the theoritic problems on the frontiers of the science and to study attacks on these problem4 in the recent literature.

For Honours students only.

3 hours. *Professors Beach and Wright*

Prerequisite: Economics 311.

412. ECONOMIC ANALYSIS. Third or Fourth year (Full course). Analysis of the economic problems of the firm; the determination of the demand curve; the forecasting of demand; the measurement of costs; pricing problems in various types of markets; the determination of optimum policies for such matters as advertising, packaging, and premiums.

3 hours. *Professor Armstrong*

421. PUBLIC FINANCE. Third or Fourth year (Full course). A seminar course divided into three parts. 1. The theory of public finance. 2. A study of Canadian public finance at the federal, provincial and municipal levels. 3. Special problems of Canadian public finance. Emphasis will be placed on Part 3, which will include consideration of such topics as tax-rental agreements, regional redistribution of income by provincial and federal governments, the effects of the Canadian tax structure on business, and the problem of stabilizing employment in the Canadian federation.

3 hours. *Professor Armstrong*

422. ECONOMIC FLUCTUATIONS AND FISCAL POLICY. Fourth year (Full course). Analysis of the nature and causes of fluctuations in income, employment, prices, production, etc. Actual and proposed economic policies for the maintenance of full employment without inflation. Nature of the employment problem and policy implications of various explanations of economic fluctuations.

For Honours students only.

3 hours. *Professor* ————————

Prerequisite: Economics 321.

424. INTERNATIONAL TRADE AND FINANCE. Third and Fourth year (Full course). 1. Volume and composition of international trade; international commodity markets; international money and capital markets; dynamics of trade and investment. 2. International analysis and international trade; international income flows and the mechanism of adjustment: international income flows and the level of economic activity; international trade and the international allocation of resources; the distribution of income under free and restricted trade; the gains from free and restricted trade; the international spread of income changes. 3. Ends of international economic policy; post-war recovery programmes; international

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monetary funds, and international monetary and exchange-rate policy; tariffs, trade agreements, and the struggle for multilateralism; the problems and possibilities of international investment: direct and portfolio; Export-Import Bank; International Bank; future of private investment and multilateral trade.

3 hours. *Dr. Pal*

Prerequisite: Economics 321.

425. INVESTMENT ANALYSIS AND CORPORATION FINANCE. Fourth year (Full course). Part I—The nature of investment; capital markets; investment funds; classes of securities; concepts of income, risk, value and appreciation; analysis of financial statements; stock market; investment policy. Part II—Forms of business organization; growth of the corporation; the managerial revolution; sources of funds; management of fixed and working capital; ratio analysis; expansion, reorganization and valuation.

3 hours. *Professor Briant*

431. INTERNATIONAL COMMODITY CONTROLS. Fourth year (Full course). This course includes, as well as international commodity controls, the wider question of monopolies, cartels, patents, and monopoly legislation. It is conducted along seminar lines.

3 hours.

(*Not given in 1961-62.*)

432. TRANSPORTATION. Fourth year (Full course). History and development of the Canadian transportation system; economic characteristics of the various transportation media; comparative analysis of cost and rate structures; problems of regulation and control.

3 hours. *Professor Culliton*

441. INDUSTRIAL RELATIONS. Third and Fourth year (Full course). An introduction to the problems of employer-employee relations, including the management of personnel, legislation, employee organizations, and the State function and public interest in industrial relations. Plant visits and reports are an integral part of the course.

3 hours. *Professor Woods*

442. INDUSTRIAL RELATIONS SYSTEMS. This course involves a comparative study of industrial relations systems in various countries of the world. Emphasis will be placed on the character of worker and employer organization and their interrelationships and the place of the state in industrial relations in the various countries.

Prerequisite: Economics 341 or 342. Students without the prerequisite may be admitted by permission.

3 hours. *Professor H. D. Woods*

461. ECONOMETRICS. Fourth year (Full course). The formulation of economic theory in mathematical language and the use of statistical materials to test hypotheses and reliability.

3 hours. *Professor Weldon*

By consent of the instructor.

POLITICAL SCIENCE COURSES

Political Science 211G or 211H, and either History 100 or Economics 100, are prerequisite to all Third and Fourth year courses in Political Science. Honours students will take Political Science 211H.

211G. COMPARATIVE GOVERNMENT. Second year (Full course). An introduction to the theory and practice of modern govermment. This involves a comparative study of the institutions and experience of contemporary constitutional and dictatorial states.

2 hours and conference. *Professor Callard*

211H. COMPARATIVE GOVERNMENT. Second year (Full course).

For Honours students.

3 hours. *Professor Frankel*

212. INTRODUCTION TO POLITICS. Second, Third or Fourth year (Full course). An analysis of the basic concepts of Political Science, with illustrations drawn mainly from the experience of constitutional and dictatorial government as practised in certain modern states. In the second term, the emphasis is upon international relations.

This course is intended primarily as a terminal course for students who wish to take only one course in Political Science, but successful completion of it with adequate standing will satisfy the requirement for admission to most advanced courses for which Political Science 211G is a prerequisite.

3 hours. *Professor*———

311. HISTORY OF POLITICAL THEORY. Third year (Full course). A survey of the development of Western political thought from ancient Greece down to the present.

3 hours. *Professor* ———

312b. WESTERN POLITICAL PHILOSOPHY. Third year (Half course). A survey of the broad outlines of Western political philosophy, especially in the modern period, designed for students in the fields of political science, philosophy and history without prior specialized study in political theory.

(*Not given in 1961-62.*)

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322. PARLIAMENTARY GOVERNMENT IN THE BRITISH COMMONWEALTH. Third or Fourth year (Full course). The structure of parliamentary and cabinet government in the United Kingdom, and a discussion of its modifications to meet the requirements of the other autonomous countries of the Commonwealth; the machinery of Commonwealth co-operation.

3 hours. *Professor Mallory*

323. POLITICS AND GOVERNMENT IN ASIA. Third or Fourth year (Full course). A consideration of the origins and development of the political systems which have emerged in Asia since the end of World War II, with particular attention to India, Pakistan, China and Japan.

3 hours. *Professor Michael Brecher*

324a. COLONIALISM. Third or Fourth year (Half course). A study of the theory and practice of colonialism, the government and politics of contemporary colonial territories, their significance internationally, and the experience and the problems of introducing democratic institutions of self-government in these territories.

First term: 3 hours. *Professor Michael Brecher*

(*Not given in 1961-62.*)

325b. THE GOVERNMENT OF THE UNITED STATES. Third or Fourth year (Half course). A study of the Constitution, the political institutions, and the working of Congressional Government in the United States.

Second term: 3 hours. *Professor Callard*

341. PUBLIC ADMINISTRATION. Third or Fourth year (Full course). A study of the machinery of government, with examples drawn mainly from Canada, the United States, and the United Kingdom. The increasing size and complexity of modern government; the problem of bureaucracy; central control of policy; the civil service; other agencies of government, regulatory and commercial; the legislature and the administration; the courts and the administration; public control and accountability.

2 hours and conference.

(*Not given in 1961-62.*)

343a. MUNICIPAL GOVERNMENT. Third or Fourth year (Half course). A study of systems of local government in Great Britain, the United States and Canada, and an examination of municipal problems of law, politics, and finance.

First term: 3 hours. *Professor Callard*

344. INTERNATIONAL RELATIONS. Third or Fourth year (Full course). A study of the theory and practice of international politics and organization. The course will deal with the nature, forms and components of state

power; balance of power; objectives and motivations of foreign policy; nationalism; imperialism; international morality; international law; diplomacy; structure and dynamics of the League of Nations and the United Nations; selected problems in contemporary international politics.

3 hours.

Professor Michael Brecher

351. GOVERNMENT OF CANADA. Third or Fourth year (Full course). The working of parliamentary federations in Canada. The problems of federal-provincial relations; the structure of parliamentary government; the evolution of national status.

3 hours.

Professor Mallory

352. FRENCH CANADIAN POLITICS. Third or Fourth year (Full course). An examination of the development of French Canadian political thought and behaviour from the early 19th century to the present day. Particular attention will be paid to French Canadian nationalism, the nature of French Canadian participation in political parties and the parliamentary process at both the provincial and federal levels, and to the impact of industrialization in the modern period. The course will end with a consideration of current political and constitutional issues on which there are distinctive French Canadian viewpoints. Students who register must have a good reading knowledge of French.

3 hours.

Professor Oliver

With the consent of the Instructor.

355a. POLITICAL PARTIES. Third or Fourth year (Half course). A comparative study of the organization, rôle and functioning of political parties and the party system in constitutional states.

First term: 3 hours.

Professor Frankel

411. ADVANCED POLITICAL THEORY. Fourth year. An advanced course mainly for Honours students. The course will deal with selected topics in recent political theory.

3 hours.

Professor Oliver

Prerequisite: Political Science 311.

412. A STUDY OF BOLSHEVISM. Fourth year. An examination of the ideological background of Soviet Communism and its role in the process of gaining and maintaining political power. Political thought from Marx to Mao Tse Tung; the Leninist concept of party and revolution; the Russian and Chinese revolutions; government and politics in the U.S.S.R.

3 hours.

Professor Frankel

Prerequisites: Political Science 311 *or* Economics 371.

Note:—Philosophy 400, Constitutional Law, and Jurisprudence may be offered, by permission of the Department, as courses in Political Science.

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CONTINUATION COURSES

Economics and Political Science are regarded as separate disciplines for continuation purposes, with the exception of Economics 331 and Economics 371a.

HONOURS COURSES

The following is the basic programme for students wishing to take full Honours in Economics and Political Science:

Second year: Economics 211H, Political Science 211H, and three elective courses outside the Department but subject to its approval.

Third year: Economics 311, Political Science 311, one additional course in the Department and another approved course outside.

Fourth year: Three approved courses within the Department, one of which must be in the minor field, and one approved course outside.

Courses in the Third and Fourth years will follow a logical sequence and should lead to some specialization in a particular area of the major field. Honours students must consult their departmental advisers about the proper planning of their courses.

JOINT HONOURS

Joint Honours with other Departments may be taken as follows:

(a) Economics and History

First year: Economics 100 or History 100 and *four* other courses as required by Faculty.

Second year: Economics 211H; History 200 and either 205 or 210; Political Science 211H or Geography 212; one other course approved by the Departments.

Third year: Economics 311 and one of *300*, 321, 331; History 305 and 310.

Fourth year: Economics *301* and *another approved course* in the Department; History 405 and 420.

(b) Economics and Mathematics

Second year: Two approved full courses in the Department of Economics and Political Science together with Mathematics 225, 226, and one approved outside course.

Third year: Two approved full courses in Economics together with Mathematics 227, 333.

Fourth year: Two approved full courses in Economics together with Mathematics 339 and any other approved elective course which may be, if desired, a second Mathematics course selected with the approval of the Chairman of the Mathematics Department.

(c) Economics and Philosophy

First year: Students contemplating joint Honours in Economics and Philosophy should consult the two departments in the choice of first year electives.

Second year: Economics 211H, Philosophy 300, Philosophy 310, and two approved outside courses.

Third year: Economics 311, *either* Philosophy 350 *or* Philosophy 360, and two other courses to be chosen in consultation with the two departments, with a view to Fourth year specialization.

Fourth year: Economics 411, *either* Philosophy 350 *or* Philosophy 360 (whichever was not taken in the Third year), one other course in Economics in an approved field of specialization, and one other approved course.

Joint Honours Comprehensives: At the end of the Fourth year, students will sit a comprehensive examination consisting of the following papers:

Ethics and Political Philosophy
The History of Philosophy
Major paper in Economics
Special subject in Economics.

Ordinary course examinations in the two departments are replaced by these four papers.

(d) Economics and Sociology

Second year: Economics 211H and Sociology 210, and three other courses as required by Faculty.

Third year: Economics 311 and Sociology 304, and two other courses as required by Faculty. (In Sociology, *either* Sociology 301 can be taken in Third year, together with one of Sociology 402 and 403 in Fourth year, *or* Sociology 402 and 403 in Fourth.)

Fourth year: Two approved courses in Economics, Sociology 402, and/or Sociology 403, to make a total of four courses.

(e) Political Science and Sociology

Second year: Political Science 211H and Sociology 210.

Third year: Political Science 311, 355a and either Political Science 343a or Economics 371; Sociology 301 and 304.

Fourth year: Political Science 411 and one other approved full course; Sociology 302 and 401.

The programme may be modified in consultation with Departmental advisors.

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(f) Anthropology and Political Science (see page 1174)
(g) History and Political Science (see page 1113)
(h) Philosophy and Political Science (see page 1135)

THE WRITTEN COMPREHENSIVE EXAMINATIONS FOR HONOURS B.A.

Examinations at the conclusion of the Fourth year will normally be as follows:

(a) *A Major paper:* This will be a two-part examination. Part I (3 hours) will be the course examination(s) on the Major subject taken in the Fourth year (e.g., Economics 411, Political Science 411a, etc.). Part II (2 hours) will be of a more general and comprehensive character and will attempt to test the student's ability to integrate his knowledge of the Major field. It will be based, to a large extent, on the subject matter of Economics 211H and 311 for Economics students, or, for Political Science students, Political Science 211H and 311.

(b) *A Minor paper:* This will be the regular course examination on the subject in the Minor field taken during the Fourth year.

(c) *A Special paper:* This examination will cover the field chosen by the student for specialization and will be based on the sequence of courses in this field and on special reading and research. Examples of fields for specialization are, in Economics, Economic Theory, Labour Economics, International Trade, etc., and, in Political Science, Political Theory, Public Administration, International Relations, etc.

Note: The grade or grades assigned to the course or courses constituting the Major subject will be based on the results of both the course examination(s) and the comprehensive part of the Major paper (e.g., the grade for Political Science 411a will include a weight for the results of the comprehensive part of the final Major paper).

There are no further examination requirements in the three courses normally taken in the Department during the Fourth year. It should be noted that the student is responsible for the regular examination in the course taken outside of the Department, or in the fourth course which is taken within the Department in lieu of an outside course. Thus, the Honours student writes four examinations in all at the end of his final year.

In preparation for the Comprehensive Examinations, course work will be supplemented during the Third and Fourth years by tutorial instruction.

Honours students in Economics or Political Science in the School of Commerce should consult the School of Commerce Announcement.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

EDUCATION

MEMBERS OF THE STAFF OF THE INSTITUTE OF EDUCATION

COURSES OFFERED AS A SUBJECT FOR THE B.A. OR B.Sc. DEGREE

EDUCATION 200—THE HISTORY OF EDUCATION IN WESTERN SOCIETY

The history of education in Europe and America including a study of the systems of public education in the countries of western Europe, in the United States, and in Canada. (Open to students in Second and Third year.)

3 hours a week. *Professors Munroe and Nash*

EDUCATION 300—COMPARATIVE EDUCATION

The evolution of educational theory and practice in Europe. The development of modern educational institutions in European states and their adaptation in colonial societies. Educational practice in Canada and the United States, the development of education in the new states of Asia and Africa (open to students in their 3rd and 4th year).

3 hours a week. *Professors Munroe and Nash*

EDUCATION 400—PHILOSOPHICAL FOUNDATIONS OF EDUCATION

An examination of significant philosophical ideas which have influenced Western education.

3 hours a week. *Professor Thomson*

For courses in Education offered for the B.Ed. degree; for courses leading to the High School Diploma; and for Regulations of the Protestant Committee governing the award of teaching diplomas; see the separate Announcement of the Institute of Education.

COURSES OFFERED FOR THE B.Ed. OR B.Ed. (P.E.) DEGREE

EDUCATION 310-320—EDUCATIONAL MEASUREMENT

The preparation and use of objective tests by the class room teacher. Interpretation of test results and of research studies in the improvement of instruction.

4 hours a week (including practice teaching in schools). *Professor Crook*

EDUCATION 315—PHYSICAL EDUCATION IN THE SENIOR HIGH SCHOOL

Methods and skills necessary for teaching physical education in the secondary school, including team and individual games, gymnastics, dance and testing and measurement.

10 hours a week. *Professors Wood and Wilkinson*

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EDUCATION 325—OBSERVATION AND REMEDIAL TEACHING IN PHYSICAL EDUCATION
The Staff

EDUCATION 410—THE DEVELOPMENT OF CURRICULA

A study of the development of elementary and secondary school curricula in the provinces of Canada and other countries, with emphasis on special teaching methods and programs.

3 hours a week. *Professor Currie*

EDUCATION 420—SCHOOL INTERNSHIP

Half day a week in selected schools. *The Staff*

EDUCATION 425—INTERNSHIP IN GENERAL AND SPECIALIZED TEACHING
The Staff

EDUCATION 415—SCHOOL AND COMMUNITY PROGRAMS IN PHYSICAL EDUCATION

The organization of school and community recreation and physical education programs, including intramural and inter-scholastic athletics, aquatics, camping, school and community health.

10 hours a week. *Professors Wood, Wilkinson and assistants*

ENGLISH

Professors
RALPH S. WALKER, *Chairman*
H. G. FILES
JOYCE HEMLOW

Associate Professors
ALEC LUCAS
HUGH MACLENNAN
ARCHIBALD E. MALLOCH

Assistant Professors
CONSTANCE BERESFORD-HOWE
CURTIS D. CECIL
LOUIS DUDEK
ALAN HEUSER
SLAVA KLIMA
IRVING J. MASSEY
MARTIN PUHVEL
GORDON F. SLEIGH

Lecturers

NORMAND BERLIN
WILLIAM T. BOOTH
ROSEMARY L. EAKINS
FRANCIS M. FARAGOH
DEAN C. FRYE
SUMNER J. GERMAIN
CHRISTOPHER A. E. HEPPNER
GEORGE MATHEWSON
BRIAN ROBINSON
R. BARRY RUTLAND
HUGH D. SPROULE
PAUL H. STACY
JAMES STEELE
DONALD WALLACE

Note:—In electing courses, the student should bear in mind that (1) some of the English courses cannot be offered in the current session, but will normally be offered in the next session; and (2) some courses admit only a limited number of students, or require special qualifications for admission. A student who wishes to elect a course but, who, after examining the Announcement, is uncertain of his eligibility, should consult the instructor responsible for the course.

COURSES FOR STUDENTS IN THE FIRST YEAR

100. ENGLISH LITERATURE AND COMPOSITION (Full course). A selection of major works in the English literary tradition from medieval to modern times. One hour each week is given to practice and instruction in composition.

4 hours. *Professor Walker and members of the Department*

REGISTRATION IN ENGLISH 100: It is important to register at the start of the session. Classes missed through late registration are counted as absences: no student whose unexcused absences exceed one eighth of the number of meetings in the Course is permitted to write the final Examination. Assignments unfulfilled because of late registration cannot be made up.

150. ELEMENTARY ENGLISH COMPOSITION. This course is especially designed to help students whose native tongue is not English and who have particular difficulty in writing correct, idiomatic English.

First year students whose native tongue is not English, and whose proficiency in the use of English is not such, in the opinion of the Department, as to enable them to profit adequately from Course 100, will be directed to take Course 150 before proceeding to Course 100. First year students not so directed, and students in other years, may, with the permission of the instructor, elect this course, *but they cannot gain from it any credit towards a degree.*

3 hours weekly throughout the session.

COURSES OPEN TO STUDENTS IN THE SECOND YEAR

English 100 (or its equivalent) is prerequisite for admission to all Second year courses except English 205. Courses open to students in the Second year cannot be taken twice for credit, even when their content is changed from year to year.

200. SHAKESPEARE (Full course). For Second year students only.

3 hours. *Professor Walker*

205. ENGLISH LITERATURE AND COMPOSITION (Full course). A critical approach to English Literature, dealing with various kinds of writing. Illustrated by major works in the English literary tradition. Open only to students

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in the upper years who have not taken English 100 or its equivalent. One hour each week is given to practice and instruction in composition.

4 hours. *Professor Heuser*

220. ENGLISH LITERATURE IN THE EIGHTEENTH CENTURY (Full course).

3 hours. *Professor Klima*

230. ENGLISH LITERATURE IN THE NINETEENTH CENTURY (Full course). For Second year students only.

3 hours. *Professor Sleigh*

240. AMERICAN LITERATURE (Full course). From the literary beginnings to the end of the nineteenth century. *Professor Files*

250. CREATIVE WRITING—INTERMEDIATE (Full course).

Hours to be arranged. *Professor Beresford-Howe*

Registration is strictly limited to those who can produce evidence of special talent in original composition. Students must have the instructor's permission to take this course.

290. THE GREAT WRITINGS OF EUROPE (Full course). For 1961-62 the period studied will be from 1850-1950. Most of the works studied are available in translation.

2 lectures and 1 conference weekly. *Professor Dudek*

COURSES OPEN TO STUDENTS IN THE THIRD AND FOURTH YEARS

English 100, English 205, or an equivalent survey course in English Literature is prerequisite for admission to Third and Fourth year courses. Third and Fourth year students may take any of the courses open to Second year students except English 200 and 230.

300. OLD ENGLISH (Full course). English Language and Literature up to the Norman Conquest. The course includes reading from Anglo-Saxon prose in the first term; and in the second, a study of heroic poetry. The texts used are: Bright, *Anglo-Saxon Reader* and *Beowulf*, ed. Klaeber. The course is open to Third and Fourth year students taking Honours in English or in English combined with another subject. *Third and Fourth year students in other categories must have the instructor's permission to take the course.*

Students who propose to proceed to the M.A. in English should note that, if Course 300 has not been included in their undergraduate work, it must be included in their graduate work.

3 hours. *Professor Puhvel*

305a. CHAUCER (Half course). A study of *The Canterbury Tales*, their sources and analogues. Robinson's text (the Student's Cambridge Edition of the Complete Works) is used.

First term: 3 hours. *Professor Hemlow*

305b. CHAUCER (Half course). A study of the dream-vision poems and of the Troilus story.

Second term: 3 hours. *Professor Hemlow*

310. MIDDLE ENGLISH (Full course). Studies in Middle English Literature (exclusive of Chaucer). The course is open to students who have taken either Old English or Chaucer. Brandl and Zippel, *Middle English Literature* is used in the first term, *Gawain and the Green Knight* (ed. Tolkien and Gordon) and *The Pearl* (ed. Gordon) in the second.

3 hours. *Professor Puhvel*

315b. NON-DRAMATIC LITERATURE OF THE FIFTEENTH AND SIXTEENTH CENTURIES (Half course). A survey of non-dramatic literature from Sir Thomas More to Spenser, with special reference to humanistic theories of literature and education, and to the development of poetic techniques.

Second term: 3 hours. *Professor Hemlow*

318a. SIDNEY AND SPENSER (Half course). The Renaissance theory of poetry, and a study of the *Faerie Queene* in relation to its historical, philosophical, ethical, social and literary backgrounds.

First term: 3 hours. *Professor Hemlow*

318b. MILTON (Half course). A study of *Paradise Lost*, *Paradise Regained* and *Samson Agonistes*.

Second term: 3 hours. *Professor Malloch*

320. ENGLISH LITERATURE IN THE SEVENTEENTH CENTURY (Full course).

3 hours. *Professor Malloch*

322a. POETRY OF THE ROMANTIC PERIOD: 1780-1840 (Half course). A detailed study of selected poems by Blake, Wordsworth, Coleridge and Keats.

First term: 3 hours. *Professor Lucas*

322b. POETRY OF THE VICTORIAN PERIOD: 1840-1890 (Half course).

Second term: 3 hours. *Professor Lucas*

324. SHAKESPEARE (Full course). A detailed study of selected plays, none of which is on the reading-list for the Second year Shakespeare course. This may be taken as a continuation course following on English 200.

3 hours. *Professor Walker and Mr. Faragoh*

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325. ENGLISH DRAMA FROM THE BEGINNINGS TO 1642, EXCLUDING SHAKESPEARE (Full course).

3 hours. *Professor Cecil*

(*Not given in 1961-62.*)

330. ENGLISH DRAMA FROM 1660 TO THE PRESENT (Full course).

3 hours. *Professor Cecil*

331. CONTINENTAL EUROPEAN AND AMERICAN DRAMA FROM IBSEN TO THE PRESENT (Full course).

3 hours. *Mr. Faragoh*

335. THE ENGLISH NOVEL FROM THE BEGINNINGS TO THE PRESENT TIME (Full course). This course includes some reference to foreign work and to related literary types.

3 hours. *Professor Lucas*

336a. THE SHORT STORY (Half course). The history of the short story in English, with some reference to foreign work and to related literary types. Twentieth-century forms and techniques are emphasized.

First term: 3 hours. *Professor Beresford-Howe*

340. STUDIES IN LITERATURE SINCE 1900 (Full course). Contemporary authors, English and American, with special emphasis on novelists and dramatists.

3 hours. *Professor Files*

341. CANADIAN LITERATURE (Full course). The development of prose literature and poetry in Canada from the beginnings to the present time.

3 hours. *Professors MacLennan and Dudek*

345. ENGLISH PROSE FROM BACON TO THE PRESENT (Full course). The purpose is to trace the development of English prose expression, to show how the powers of the language have become enlarged as writers have responded to the challenge of new ideas and new inventions in writing techniques. Authors representative of each period are studied in detail and include non-fiction writers, novelists, and biographers.

3 hours. *Professor MacLennan*

355a. THE ART OF POETRY (Half course). A study of poetic forms and techniques. Though the course is intended for students of literature generally, the practising writer will find it useful: students are encouraged to submit work of their own for critical discussion in conference.

First term: 3 hours. *Professor Dudek*

365. POETRY OF THE TWENTIETH CENTURY (Full course). A survey of recent poetry by British and American authors.

Texts: The collected poetry of W. B. Yeats, T. S. Eliot, Robert Frost, Ezra Pound, W. H. Auden, and Dylan Thomas.

3 hours. *Professor Dudek*

370. CROSS-CURRENTS BETWEEN ENGLISH LITERATURE AND THE EUROPEAN LITERATURES IN THE 18TH CENTURY (Full course). This course deals with the influence of continental literature and criticism on the English neo-classicism of the 18th century, and with the influence of English literature and criticism on European writers from the time of Voltaire to the rise of Byronism. It includes reference to the works of French, German and Italian authors. A reading knowledge of French is a prerequisite.

3 hours. *Professor Klima*

(*Not given in 1961-62.*)

375. EUROPEAN HUMANISM AND ENGLISH LITERATURE IN THE 20TH CENTURY (Full course). The texts are available in English translation, but a reading knowledge of French or German is desirable.

3 hours. *Professor Klima*

380a. BIBLIOGRAPHY (Half course). An introduction to the apparatus and methods of scholarship in literary studies. *Open to Honours students. Others may register only by permission of the Department. Students intending to proceed to the M.A. in English should note that this is a required course for that degree.*

First term: Hours to be arranged. *Professor Malloch*

395. CREATIVE WRITING—ADVANCED COURSE (Full course). Open to a limited number of undergraduate students who appear well qualified for mature creative writing. Application for permission to take this course should be made at the beginning of the session. *Registration is limited.*

Hours to be arranged. *Professor Files*

HONOURS CURRICULUM IN ENGLISH

A student wishing to take full Honours in English must, during his Second, Third, and Fourth years, take a total of ten courses approved by the Department. These must include Half Courses 305a or 305b (Chaucer) and 315b (16th Century); and Courses 200 or 324 (Shakespeare), 320 (17th Century), 220 (18th Century), 230 or 322a and b (19th Century), and 340 (20th Century). The remaining four of the ten courses are to be elected from those approved as Honours Courses by the Department, and may include any of the following courses offered by other Departments: Classics 200, Linguistics 221, Italian 375 and 385, and Philosophy 320.

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The normal procedure is that the student takes English 200 and English 230 in his Second year and four courses in each of his Third and Fourth years.

HONOURS IN ENGLISH COMBINED WITH ANOTHER SUBJECT

Students may take Honours in English combined with any one of the following subjects: French, German, Greek, History, Latin, Philosophy. The requirements for each of these combinations are as follows:

Joint Honours in English and French

1st year: English 100; French 100 or 120; three other courses.

2nd year: English 200 and 230; French 200 (or 220) and 250; one other course.

3rd year: English 220 and 320; French 300, 350 and 370.

4th year: English 305a, 315b and 340; French 410 (or 440), 450, 485.

Joint Honours in English and German

1st year: English 100; German 100 (or its equivalent); three other courses.

2nd year: English 200; two German courses chosen from 210, 300 and 310; two other courses to be selected in consultation with the Departments.

3rd year: English 320 (or 220), 322a and 322b; two German courses chosen from 310, 320 and 330.

4th year: Two courses chosen from English 325, 330 and 340; two full courses chosen from German 320, 330, 410, 420, 430 and 440.

Joint Honours in English and Greek

1st year: English 100; Greek 1; three other courses.

2nd year: English 200 and 230; Greek 221 and 222; one other course to be selected in consultation with the Departments.

3rd year: English 305b, 315b, and 318b; Greek 331 and 332.

4th year: English 220 (or 320) and 318a (or 322a); Greek 441 and 442; another half course to be selected in consultation with the Departments.

Joint Honours in English and History

1st year: English 100; History 100; three other courses.

2nd year: English 200 and 230; History 210 and 200 (or 205); another course to be selected in consultation with the Departments.

3rd year: English 220 and 320 with History 326, *or* English 340 and 370 (or 375) with History 420; and a special subject in the field of English History.

4th year: English 305a, 305b (or 322a), 315b and 318b; History 310 (or 400) and a special subject continued from the 3rd year.

Joint Honours in English and Latin

1st year: English 100; Latin 1 or Latin 100; three other courses.

2nd year: English 200 and 230; two Latin courses chosen from 221, 222 and 223; one other course to be selected in consultation with the Departments.

3rd year: English 315b and 318b; Latin 331 and 332; another course to be selected in consultation with the Departments.

4th year: English 220 and another course to be chosen from 320, 325 and 330; Latin 441 and 442.

Joint Honours in English and Philosophy

1st year: English 100; four other courses.

2nd year: English 200 and 220; Philosophy 200 (if special field is Systematic Philosophy) or 300 (if special field is Ethics); another course to be selected in consultation with the Departments.

3rd year: English 315b, 318a, 322a and 322b; Philosophy 350 and 360.

4th year: English 320; English 305a and 305b with Philosophy 370, *or* English 340 (or 365) with Philosophy 320; Philosophy 410 (if special field is Systematic Philosophy) or 400 (if special field is Ethics).

GRADUATE COURSES FOR THE DEGREES OF M.A. AND PH.D.

See the Announcement of the Faculty of Graduate Studies and Research.

FINE ARTS

Associate Professor WINTHROP JUDKINS, *Chairman*
Assistant Professors GEORGE GALAVARIS
GUY VIAU

201. INTRODUCTION TO ART. May be taken in Second, Third, or Fourth year (Full course). The aim of this course is to develop the student's understanding and perception of the work of art as a visual medium of expression; and to observe and analyze the sequential development underlying the history of art and its principal epochs up to the present time.

Lecture course supplemented by discussions, written reports, and assigned reading.

3 hours. *Professor Judkins*

221. ANCIENT ART. Second, Third, and Fourth years (Full course). A systematic study of the visual arts in ancient Egypt, Mesopotamia, Greece and

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Italy in relationship to the philosophical, religious, literary and political concepts of the times. The course is devoted primarily to the art of the Greeks, with particular emphasis on sculpture, and concludes with Roman art.

Two lectures and one discussion meeting per week

3 hours. *Professor Galavaris*

261. FUNDAMENTALS IN DRAWING AND PAINTING. Second, Third, and Fourth years (Full course). An introduction to the language of form and color. Sketching and painting from life, still-life, and imagination. Elementary design projects in various media.

6 hours. *Professor Viau*

Note: *Due to limitation of space, enrollment must be limited to forty students. Except by special consent of the instructor, supplemental examinations will not be given in this course.*

301. MODERN ART. Third and Fourth years (Full course). The modern movement in painting and sculpture: its emergence (from about 1850), problems, character, and place in the continuity of art history.

The work will be conducted through lectures, discussions, reading, and reports.

3 hours. *Professor Judkins*

Prerequisite: Fine Arts 201.

321. EUROPEAN PAINTING OF THE RENAISSANCE. Third and Fourth years (Full course). The historical development of the Italian schools of painting, under the impact of Medieval Christianity and Classical Humanism, from the beginning of the 14th century through the High Renaissance. The independent emergence of Flemish painting in the 15th century, and the growth of 15th and 16th century German painting and graphic art.

Two lectures and one discussion meeting per week.

3 hours. *Professor Galavaris*

331. EUROPEAN PAINTING OF THE 17TH, 18TH, AND 19TH CENTURIES. Third and Fourth years (Full course). The course begins with the emergence of the Baroque style in Italy and follows its dissemination and modifications in other European countries. It continues with the artistic tastes of the 18th and 19th centuries and concludes with Impressionism and Symbolism. Particular attention is given to the relationships between painting and other aspects of the intellectual, religious and social life of these centuries.

Two lectures and one discussion meeting per week.

3 hours. *Professor Galavaris*

401. VENETIAN PAINTING OF THE RENAISSANCE. Third or Fourth year (Full course). A study of the Venetian school of painting from its late beginnings, through its sixteenth century culmination, to its eighteenth century "aftermath", including influences in its development, from the East and particularly from the North. Emphasis will be placed upon the greater names in the school, and attention given to its technical contribution to the Western tradition as well as its role in the development of the Baroque style. Individual or collaborative research problems will constitute an integral part of the course work.

3 hours. *Professor Judkins*

Prerequisite: Fine Arts 201.

(*Not given in 1961-62.*)

FINE ARTS AS A CONTINUATION SUBJECT

Following the introductory historical course, Fine Arts 201, in the Second year, any one of the other courses, except Fine Arts 261, may be taken in each of the Third and Fourth years. For greater concentration, Fine Arts 221 may be taken, concurrently with Fine Arts 201, in the Second year; but at least one additional course must still be taken in each of the Third and Fourth years.

GENETICS

In Montreal

Professors	J. W. BOYES, *Chairman* F. C. FRASER
Associate Professor	E. R. BOOTHROYD
Assistant Professor	A. F. NAYLOR
Assistant Professor and Research Fellow	J. D. METRAKOS
Lecturer and Research Associate	E. KÄFER-BOOTHROYD
Research Fellows	K. METRAKOS D. G. TRASLER

At Macdonald College

Associate Professors	R. I. BRAWN W. F. GRANT

21. INTRODUCTION TO GENETICS, HUMAN HEREDITY AND EVOLUTION (Full course). This course is designed to provide a working knowledge of the Mendelian laws, linkage, sex determination, sex-linkage, the origin and nature of hereditary variations, and other basic concepts. Selected

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problems introduce the practical applications of these concepts and the laboratory work provides experience with experimental materials and methods. Human heredity is considered with particular reference to disease, mental conditions, and eugenics. An introduction to the theory of evolution in the light of genetic principles is presented.

First term: 2 hours and a 3-hour laboratory period.

Second term: 3 hours. *Professors Boyes and Fraser*

Prerequisites: Botany 100a or b and Zoology 100b or a.

Text: Sinnott, Dunn and Dobzhansky, Principles of Genetics (McGraw-Hill).

32a. CYTOLOGY (Half course). The nature and organization of the protoplasm in animal and plant cells are outlined in relation to function. Such subjects as the physical and chemical properties of protoplasm, cytoplasmic inclusions, the organization of the nucleus and its behaviour in mitosis and meiosis, chromosome morphology and movement, etc. are discussed. Laboratory work is designed to give experience in the interpretation of the structure and dynamic processes of the protoplast.

First term: 2 hours and a 3-hour laboratory period. *Professor Boothroyd*

Prerequisite: Genetics 21.

Text: De Robertis, Nowinski and Saez, General Cytology, 3rd ed. (Saunders).

36b. DEVELOPMENTAL GENETICS (Half course). This course will consider the role of the gene in the process of development. Topics discussed will include the transfer of information from nucleus to cytoplasm; genetic aspects of embryonic induction, differentiation and morphogenesis; developmental canalization; phenocopies; pleiotropy; penetrance and expressivity; quasicontinuous variation. Scientific methodology will be emphasized, and examples will be drawn mainly from the original literature.

Second term: 3 hours. *Professor Fraser*

Prerequisite: Genetics 21. Some knowledge of embryology is desirable.

40. STRUCTURE AND FUNCTION OF THE GENE (Full course). Current concepts of gene structure and function will be discussed under the following headings: Intergenic recombination (sexual meiotic, sexual non-meiotic, transduction, transformation, mitotic recombination); analysis of genetic fine structure (mutation, radiation and chemical mutagenesis, conversion, pseudoallelism); unstable loci (paramutation, variegation); cytoplasmic inheritance; interaction of genes and of genes with environment; genetic

control of protein specificity and metabolic pathways. Examples will be drawn from a wide variety of plants, animals and microorganisms.

3 hours. *Dr. Käfer-Boothroyd and Staff*

Prerequisites: Genetics 21, 32a and 36b.

Text: Catcheside, The Genetics of Microorganisms (Pitman).

41b. CYTOLOGICAL TECHNIQUE (Half course). The student is instructed in the preparation of microscope slides of plant and animal material for the study of the component parts of the protoplast, especially the nucleus. Various fixatives, stains and techniques are used to bring out the details of structure which cannot readily be seen in living material.

Second term: 6 hours laboratory. *Professor Boothroyd*

Prerequisite: Genetics 32a unless special permission is obtained from the instructor.

43b. ADVANCED CYTOLOGY AND CYTOGENETICS (Half course). Topics discussed will include: gene and chromosome duplication; mitotic cycles; chiasmata and crossing over; spontaneous and induced chromosomal aberrations; karyotypes—variations, modifications and cytotaxonomy; polyploidy; interspecific hybridization; sex-determining mechanisms; parthenogenesis.

Second term: 3 hours. *Professors Boyes and Boothroyd*

Prerequisites: Genetics 21 and 32a.

Reference: Swanson, Cytology and Cytogenetics (Prentice Hall).

44. BIOMETRY (Full course). A treatment of the elementary aspects of statistical theory, analysis, and methods, including: probability and probability distributions, statistical inference (estimation and tests of hypotheses), design and analysis of samples, regression and correlation analysis, matrices, analysis of variance, with particular reference to their applications to problems in Biology.

2 hours and a 3 hour laboratory period. *Professor Naylor*

Prerequisites: A University course in one of the Biological sciences and Mathematics 111, or the equivalent.

45a. GENETICS IN EVOLUTION (Half course). A consideration of genetic concepts and processes involved in the origin and maintenance of populations and species, including: the origin of hereditary variations, adaptation, selection, migration, isolation, hybridization, breeding methods, genetic drift, the establishment of genetic equilibrium, the greakdown of species.

First term: 3 hours. *Professor Boyes*

Prerequisite: Genetics 32a.

Text: Dobzhansky, Genetics and the Origin of Species, third ed. (Columbia).

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45b. POPULATION GENETICS (Half course). Statistical aspects of evolution, inbreeding; quantitative inheritance.

Second term: 3 hours. *Professor Naylor*

Prerequisites: Genetics 21 or the equivalent; Genetics 44 or the equivalent; Genetics 45a.

Text: Falconer, Introduction to Quantitative Genetics (Ronald Press).

46a. THE GENETICS OF MAN (Half course). Principles of heredity and special techniques as applied to the study of man's genetic diversity will be considered at an advanced level.

First term: 3 hours. *Professor Metrakos*

Prerequisite: Genetics 21. *Third year students may take this course only if they are concurrently taking Genetics 32a and 36b.*

47b. SPECIAL TOPICS (Half course). This course is for advanced students of high standing who wish to read extensively in a particular field or undertake a minor research problem in Genetics or Cytology. *The Staff*

HONOURS COURSE

The Honours Course in Genetics is designed to give students a good general knowledge of Biology, plus sufficient Genetics to qualify as a research assistant in Genetics or Cytoloogy and for Graduate Studies in these fields. Students having at least second class standing may, with the approval of the Department, enter the Honours Course in their Second or Third year. Students may also transfer from General Honours in Biological Sciences at the beginning of the Third year. The Honours Course offers programs with emphasis on Botany, Zoology, or Biochemistry and Bacteriology.

First year: The general B.Sc. curriculum, including Botany 100a (or b) *and* Zoology 100b (or a), *or* Biology 100.

Second year: Botany 200, Chemistry 202, Genetics 21, Zoology 211 and 221.

Third year: Biochemistry 31; Botany 350b; Genetics 32a, 36b and 44; Zoology 322a; *any one* of Bacteriology 21 *or* Botany 222 *or* 321 *or* Physiology 21.

Fourth year: Genetics 40, 43b, 45a, 46a; *any one* of Genetics 41b (=32b), 45b, *or* 47b; *any two* full courses chosen from one of Bacteriology 21 *or* 42, one of Biochemistry 37 *or* 43, one of Botany 222 *or* 321 *or* 331, Physiology 21, one of Zoology 321 *or* 324 *or* 325.

Students of satisfactory standing, and having most of the courses required for the first two years, may be admitted at the beginning of the Third year if there is reasonable prospect that they can complete the requirements for the Honours Course in Genetics by the end of the Fourth year.

CONTINUATION COURSES

Second year: Genetics 21.

Third year: Genetics 32a, 36b.

Fourth year: Genetics 40 to 47b inclusive, except Genetics 44.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

GEOGRAPHY

Professors	F. K. Hare, *Chairman* Trevor Lloyd
Associate Professors	J. Brian Bird Theo L. Hills
Assistant Professor	R. Norman Drummond
Lecturers	Joyce C. Brown Frank C. Innes George H. Michie John T. Parry
Honorary Lecturer	George Jacobsen

Courses in Geography are listed either under the Arts Division or the Science Division. This separation is only for administrative purposes and does not reflect an actual division within the department. In some cases courses listed under one Division may be taken as part of a degree programme in the other Division.

Arts Division Courses

Students in the Science Division may take any of these courses if (i) the regulations of the degree permit, (ii) prerequisites are satisfied, and (iii) the course is not restricted to honours or continuation students only.

(*For Science Division courses see page 1084.*)

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FIRST YEAR

111. INTRODUCTION TO HUMAN GEOGRAPHY (Full course). The basic principles of geography illustrated from appropriate parts of the world. The major geographical regions of the earth, the resources, human societies and industries characteristic of each. Geographical aspects of international relations. Local field work may be arranged.

3 hours. *Professor Lloyd and Miss Joyce Brown*

(In Arts Division) *No prerequisite.*

LATER YEARS

N.B. *The first digit of each course number shows the academic year for which the course is mainly designed. Students in other years may register for any course provided (i) that they have the prerequisites, and (ii) that general registration requirements are fulfilled.*

212. WORLD ECONOMIC GEOGRAPHY (Full course). The relations of people, space, resources, culture and technology. Appraisal of agricultural and industrial resources. The major economic activities and agricultural and industrial regions of the world. Types and patterns of transportation and world trade. Local fieldwork may be arranged.

2 hours and laboratory periods. *Professor Hills*

(In Arts Division) *Prerequisite:* Geography 111. Geography 121 or 1442 will be accepted for students in Geology or Engineering, and for those in Science Honours Geography.

222. PRACTICAL GEOGRAPHY (Full course). The construction and properties of common map projections. The analysis of topographic maps and aerial photographs. Map reproduction. Construction and interpretation of special purpose maps: land utilization, geomorphological, commodity and population maps.

1 hour and laboratory periods. *Miss Joyce Brown*

(In Arts Division) *Prerequisite:* Geography 111 or 212.

311. NORTH AMERICA (Full course). Canada and the United States are divided into a small number of natural regions. In each region the physical environment as a background to man's development is first studied. Then, in turn, occupation by Indian and European peoples is discussed, leading up to an examination of the present cultural landscape. The part played by the region in the life of the country and some of its problems are analyzed. Local field work may be arranged.

3 hours. *Mr. Michie*

(In Arts Division) *Prerequisite:* Geography 212. Geography 121 will be accepted in the case of Science students continuing in Geography.

313. HISTORICAL GEOGRAPHY (Full course). Relations among man, habitat, and economy in early, medieval, and modern times. Reconstructing the geographical *milieu* of past cultures. Climate and civilization. Local fieldwork may be arranged.

3 hours. *Mr. Innes and Staff*

(In Arts Division) *Prerequisite:* Geography 212.

315. WESTERN EUROPE AND THE MEDITERRANEAN (Full course). Europe as Eurasia's peninsula; its physical geography. Physical and cultural aspects of the population, and the influence of migrations on distribution. Land use, farming, and rural settlement types. Urban settlement, including mining and industrial development. Differentiation of Europe into Mediterranean and Maritime sectors and regional divisions.

3 hours. *Mr. Innes*

(In Arts Division) *Prerequisite:* Geography 212. Geography 121 will be accepted in the case of Science students continuing in Geography.

316. ECONOMIC GEOGRAPHY (Full course). The influence of geographical factors on economic activity. A functional appraisal of resources both industrial and agricultural; the demands made upon these resources in the past. The location of industry, especially the iron and steel industry. The origins and development of modern agriculture. Crops and agricultural practices in the major agricultural regions of the world. The role of the forests and marine resources in the subsistence economies. Local fieldwork may be arranged.

3 hours. *Professor Hills*

(In Arts Division) *Prerequisite:* Geography 212.

319. THE SOVIET UNION AND EASTERN EUROPE (Full course). Position, relief, and structure; general physical characteristics, including climate, soil, vegetation, and physiography. The territorial development of Russia. Ethnic groups. Migration and settlement. Population distribution. Land use, agriculture, mining, and other industries. Recent developments and social significance of economic life. Urbanization. The administrative structure of the Soviet State and of eastern European nations.

3 hours. *Professor Lloyd*

(In Arts Division) *Prerequisite:* Geography 212. Geography 121 will be accepted in the case of Science students continuing in Geography. (*Not given in 1961-62.*)

414. THE HUMID TROPICS (Full course). A comparative regional study of the humid tropical environment with special emphasis on Latin America and the Caribbean. A study of indigenous economies; expansion of mid-latitude

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nations and colonialism. Present day problems of overpopulation and underdevelopment. Agricultural and industrial potentialities.

3 hours. *Professor Hills*

(In Arts Division) *Prerequisite:* Geography 212. Geography 121 will be accepted in the case of Science students continuing in Geography.

417. HISTORY OF GEOGRAPHICAL THOUGHT AND METHOD (Full course). The content of geography as a science in ancient and modern times, with special reference to the nineteenth and twentieth centuries. In the second term the student will prepare, under direction, an undergraduate thesis in some field exemplifying geographical method.

3 hours. *Mr. J. Parry*

(In Arts Division) *For Honours and Joint Honours students in Geography only.*

420. REGIONAL GEOGRAPHY OF NORTHERN LANDS (Full course). An introduction to the study of lands north of the areas of continuous settlement, including parts of Canada, Greenland, Iceland, Scandinavia, U.S.S.R., Alaska and related seas. A comparative description of their physical characteristics, human and economic resources, territorial sovereignty and future development.

3 hours. *Professor Lloyd*

(In Arts Division) *Prerequisite:* Geography 212. Geography 121 will be accepted in the case of Science students continuing in Geography.

430. SPECIAL TOPICS IN HUMAN GEOGRAPHY (Full course). An advanced reading course designed to familiarize the student with contemporary research and writing in the various aspects of human geography.

(In Arts Division) *For Third and Fourth year B.A. Honours or Joint Honours students in Geography only.*

Science Division Courses

Students in the Arts Division may take any of these courses if (i) the regulations of the degree permit, (ii) prerequisites are satisfied, and (iii) the course is not restricted to honours or continuation students only.

FIRST YEAR

121. THE ELEMENTS OF PHYSICAL GEOGRAPHY (Full course). Scientific study of man's habitat. The course is divided into two main parts:

A. The origin and world distribution of landforms developed under different climates. Major earth resources: water, soils, and minerals. Local fieldwork may be arranged.

B. Climate and weather; physical processes and properties of atmosphere. The principal climatic belts of the world. Significance of climate as a factor influencing human settlement.

3 hours. *Professors Bird and Hare and Miss Joyce Brown*

(In Science Division) *No prerequisite.*

LATER YEARS

N.B. *The first digit of each course number shows the academic year for which the course is mainly designed. Students in other years may register for any course provided (i) that they have the prerequisites, and (ii) that general registration requirements are fulfilled.*

221. INTRODUCTION TO MAP INTERPRETATION AND CARTOGRAPHY (Full course). The analysis of topographic maps and aerial photographs. The construction and interpretation of special purpose maps; land utilization, commodity, population and others.

1 hour and laboratory periods. *Professor Drummond*

(In Science Division) *Prerequisite:* Geography 121 or Geology 121. (No prerequisite in 1961-62 only).

231. PRINCIPLES OF REGIONAL PHYSICAL GEOGRAPHY (Full course). The evolution of the landscapes of the earth. A systematic comparison of the physical environments of different regions of the world. An introduction to pedology, hydrology and physical oceanography. Local fieldwork may be arranged.

3 hours. *Professor Bird*

(In Science Division) *For Honours and Continuation students in Geography and Geology only.*

312. LAND UTILIZATION (Full course). The principles of land utilization study. Rural and urban land use classification. Pertinent aspects of pedology. Existing land use surveys in North America, Europe and elsewhere. Field study of selected examples in the Montreal area.

3 hours.

(In Science Division) *Prerequisite:* Geography 121 or 212. (*May be taken by B.A. students taking Geography as a cognate or honours subject*).

318. WORLD CLIMATES (Full course). Scope of climatology, physical, dynamic and applied. Governing meteorological processes. The general circulation of the atmosphere and the zonation of world climate. Climatic classification; the methods of Köppen and Thornthwaite. Climate and life:

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influence of atmosphere on plants, animals and man. Climate and hydrology: the moisture cycle. Climatic change, with special reference to Pleistocene and post-glacial events.

3 hours. *Professors Hare and Orvig*

(In Science Division) *Prerequisite:* Geography 121 or 231 or Geology 121 or Biology 100.

321. ADVANCED MAP INTERPRETATION AND CARTOGRAPHY (Full course). Advanced analysis of maps and aerial photographs. Historical cartography. Map projections. Elementary photogrammetry. Map reproduction. Introduction to surveying and geomorphological mapping techniques.

1 hour and laboratory periods. *Professor Drummond*

(In Science Division) *Prerequisite:* Geography 221 or 222.

416. TOPICS IN ADVANCED PHYSICAL GEOGRAPHY. The earth's energy and moisture balances in relation to various physiographic and related processes. The Budyko-Grigoriev physico-geographic classifications. Inter-relations of physical climatology with other branches of geography.

3 hours. *Professor Hare and Mr. Parry*

(In Science Division) *Prerequisite:* Geography 231, 318. Intended primarily for honours and continuation students in Geography. *Others must obtain permission of instructor.*

421. THE TECHNIQUE OF REGIONAL STUDIES (Full course). The idea of regional survey. Surveys of land use. Classification of land types. Study of existing regional surveys and projects: the Land Utilization Survey of Britain. The Tennessee Valley Authority, and other North American projects. A regional study will be made of a selected area in Canada.

3 hours.

(In Science Division) *Prerequisite:* Geography 221 or 321 and 121 or Geology 121. *Not given in 1961-62.*

440. RESEARCH AND READING COURSE IN PHYSICAL GEOGRAPHY (Full course). A review, under direction, of the literature of research in physical geography, with special reference to recent developments.

3 hours. *The Staff*

(In Science Division) *For Honours B.Sc. students in Geography only.*

HONOURS COURSES

The Department offers Honours courses for both B.A. and B.Sc. students. The programmes differ, but contain several courses in common.

First year students intending to take Honours in Geography should consult the Department before end of session. Honours students will be required to make their selection of Second, Third, and Fourth year courses from the following list. In addition, all Honours students entering their Third or final year are required to participate in the annual field trip held early in the fall.

B.A. Students

First year: Geography 111. Students entering B.A. Honours directly in the Second year should have taken Geography in the McGill Senior Matriculation examination or its equivalent. All others will take Geography 111 concurrently with the Second year courses.

Second year: Geography 212, 222, 311, 121 (In Science Division). An approved course in a Humanity or Social Studies Group subject.

Third year: Geography 315 or 319; 313 or 316; 231 (In Science Division); *either* 430 *or* another Arts Division Geography course. One other approved course.

Fourth year: Geography 414 or 420; 417, 430 (if not taken in Third year; otherwise another Arts Division Geography course), 312; one other approved course.

Joint Honours B.A. in Geography and History

First year: Geography 111 (Introduction to Human Geography); History 100. *Three* other courses as required by Faculty.

Second year: Geography 212 (World Economic Geography); Geography 222 (Practical Geography); History 205 (Colonial Expansion); *either* History 200 (Mediaeval Life and Institutions) *or* History 210 (Great Britain). One other course as required by Faculty.

Third year: Geography 311 (North America); History 305 (Canada); *one* of: Geography 315 (Western Europe and the Mediterranean); 319 (Soviet Union and Eastern Europe); 414 (Humid Tropics); 420 (Northern Lands); *one* of: An appropriate Special Subject in History. History 310 (British Industrial Democracy) if combined with Geography 316 in Fourth year. History 315a (Slavs and Hapsburgs) and 315b (Eastern Europe), if combined with Geography 315 or 319.

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Fourth year: Geography 313 (Historical Geography); Geography 316 (Economic Geography) or 417 (History of Geographical Thought and Methods); History 405 (Economic, U.S. and Canada); *one* of: The Special Subject in History continued from Third year; History 420 (Modern Europe).

B.Sc. Students

First year: Students intending to enter B.Sc. Honours Geography should include Geography 121, or, if exempt from Geography 121, Geology 121.

Second year: Geography 212, 221, 231, Biology 100. Geology 121 (or Mathematics 224 if Geology 121 already taken).

Third year: Geography 312, 313 or 316, 318, 321. Mathematics 224 (if not previously taken); otherwise another Arts Division Geography course. One other approved course in Geology, Biology, Mathematics or Physics.

Fourth year: Geography 319 or 414 or 420; 416, 417, 440. One other approved course in Geology, Biology, Mathematics or Physics.

B.A. GENERAL CURRICULUM FOR GEOGRAPHY AS COGNATE SUBJECT

First year: Geography 111.

Second year: Geography 212

Third and *Fourth years:* Choice from among the following list:

Major cognate—Geography 222, 311, 312, 313, 315, 316, 319, 414, 420.

Minor cognate—Geography 222, 311, 315, 316.

B.Sc. CONTINUATION CURRICULUM IN GEOGRAPHY

Second year: Geography 221, 231.

Third year: Geography 318, 321.

Fourth year: Geography 312 and 414 or 416 or 420.

All continuation students must consult the Departmental Chairman before completing registration. Students taking Geography 321 are advised to attend the St. Hilaire field programme in the fall term.

GEOLOGICAL SCIENCES

Professors	J. E. GILL *Chairman*
	T. H. CLARK
	E. H. KRANCK
	J. S. STEVENSON
Associate Professors	V. A. SAULL
	C. W. STEARN
Assistant Professors	L. A. CLARK
	P. R. EAKINS
	J. A. ELSON
	A. J. FRUEH
	G. R. WEBBER
Lecturer	———
Honorary Lecturer	JOHN C. REED
Research Associate	C. DÜSING
Demonstrators	———

121. GENERAL GEOLOGY (Full course). First or Second year. The Earth and the Solar System. Its composition by minerals and rocks. Erosive forces (weather, wind, rivers, waves, etc.) modifying its surface, and deformative factors (temperature, compression, etc.), affecting its subsurface structure are thoroughly treated. The origin and historical development of the earth and of living things are briefly considered. The economic aspects of all phases of the subject are treated throughout the course.

2 hours lectures and 2 hours laboratory per week, session. Sections to be announced at first meeting; four half-day excursions during October.

Professors Clark and Stearn

Text: Leet and Judson, Physical Geology, 2nd ed. (Prentice-Hall, 1958).

Reference books: Agar, Flint, and Longwell, Geology from Original Sources (Holt, 1929); Holmes, A., Principles of Physical Geology (Ronald Press, 1945); Gilluly, Waters, and Woodford, Principles of Geology (Freeman, 1st or 2nd ed., 1951, 1958).

221. MINERALOGY. Second year (Full course). Lectures: morphological crystallography; physical and chemical mineralogy; descriptions of the more important ore minerals, industrial minerals, rock-forming minerals, uses and sources of supply of economic minerals. Laboratory: study of crystal models and crystals; methods for the determination of the constituents of minerals by blowpipe analyses and by related chemical tests, application of these plus physical characters in the identification of minerals.

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2 lectures, 3 hours laboratory per week, session; one full-day field trip first Tuesday after Thanksgiving. *Professor Stevenson*

Text: Hurlbut, Dana's Manual of Mineralogy (Wiley, 1959).

References: Berry & Mason, Mineralogy (Freeman, 1961); Dennen, Mineralogy (Ronald, 1960); Ford, Dana's Textbook of Mineralogy (Wiley, 1932).

231c. FIELD GEOLOGY. Second or Third year (Half course). Two-week field school devoted to geological mapping of selected areas, including preparation of maps, sections and reports from field notes, aerial photographs and other data.

Three-week field school in May. *Professor Eakins*

Prerequisites: Geology 230a or Surveying 324 and 352; Geology 232b.

References: Lahee, Field Geology, 5th ed. (McGraw-Hill).

232b. STRUCTURAL GEOLOGY. Second or Third year (Half course). A systematic survey of rock structures, their origins and practical importance. Laboratory period will be devoted to practical problems.

Second term: 2 lectures and 1 laboratory period. *Professor Eakins*

Prerequisites: Geology 121, 221.

Text: Billings, Structural Geology, 2nd ed. (Prentice Hall).

References: E. S. Hills, Outlines of Structural Geology (Methuen); L. U. de Sitter, Structural Geology (McGraw-Hill).

331a. OPTICAL MINERALOGY. Third or Fourth year (Half course). A study of the optical properties of non-opaque minerals. The laboratory course gives practice in the determinations of these properties, using the polarizing microscope, oriented sections of minerals, and stressing oil-immersion techniques.

First term: 2 lectures, 3 hours laboratory.

Professors Stevenson and L. A. Clark

Prerequisites: Geology 221; or appropriate background in crystallography.

References: Larsen and Berman, Microscopic Determination of Nonopaque Minerals, 1934 (Bull. 848, U.S. Geol. Surv.); Wahlstrom, Optical Crystallography, 1960 (Wiley).

332. PETROLOGY. Third year (Half course). The common igneous, sedimentary, and metamorphic rocks are described and their modes of occurrence discussed. In the laboratory, the first term will be devoted to identification of rocks by methods used in the field, the second to microscopic petrography.

2 lectures and 1 laboratory period per week, session. *Professor Kranck*

Prerequisites: Geology 121, 221.

Text: G. W. Tyrrell, The Principles of Petrology, 1949; W. W. Moorhouse, The Study of Rocks in Thin Section, 1959.

341. PALEONTOLOGY. Third or Fourth year (Full course). The development of ideas concerning the origin of fossils. Kinds of fossils. Collecting, preparation, and naming of fossils. Survey of systematic paleontology, including invertebrates, vertebrates, and plants. The stratigraphic and economic importance of paleontology. Paleoecology, and facies fossils. Micropaleontology. The influence of paleontology upon the doctrine of evolution.

2 lectures, 1 laboratory period per week, session; two days' field work in October. *Professor Clark*

Prerequisites: Geology 121, or appropriate biological background.

Text: To be announced.

342a. GEOMORPHOLOGY. Third or Fourth year (Half course). A study of the surface features of the earth and the processes involved in their origin and modification. Weathering, erosional and depositional processes; landforms produced by water, wind, and glaciers.

First term: 2 lectures and 1 laboratory period. *Professor Elson*

Prerequisite: Geology 121.

Reference: Thornbury, Principles of Geomorphology, 1954.

Text: to be announced.

343. STRATIGRAPHY. Third or Fourth year (Full course). Principles of sedimentation. Weathering and sources of sedimentary rocks, their textures and structures. Structural relationships and areal distribution of sedimentary rocks. Sedimentary environments. Stratigraphic terminology. Litholic correlation and facies changes; facies maps and stratigraphic illustration. Paleontologic correlation and facies faunas. Reference is made throughout the course to matters of interest to the economic and petroleum geologist.

2 lectures and 2 hours laboratory per week, session; 2 full days of field work during October. *Professors Clark and Stearn*

Prerequisites: Geology 121, 221.

Texts: Twenhofel, Principles of Sedimentation, 2nd ed.; Pettijohn, Sedimentary Rocks, 2nd ed.

344b. MINERALOGRAPHY. Fourth year (Half course). Identification of ore minerals in polished sections by means of the reflecting microscope;

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interpretation of their textural relationships and paragenesis; descriptions and classification of ore minerals.

Second term: 2 lectures, 3 hours laboratory. *Professor Stevenson*

Prerequisites: Geology 331a or permission of instructor.

Text: Short, Microscopic Determination of the Ore Minerals U.S. Geological Survey Bulletin 914, 1940).

346b. ENGINEERING GEOLOGY. Third or Fourth year (Half course). The practical application of geology to civil engineering problems. The behaviour of water in rocks and soils and exploitation and control of ground water.

Second term: 2 lectures, reading assignments, and 2 hours laboratory. *Professor Elson*

Prerequisite: Geology 121.

Reference: Krynine and Judd, Principles of Engineering Geology and Geotechnics (McGraw-Hill).

441. ORE DEPOSITS. Fourth year (Full course). Nature, origin, mode of occurrence, and classification of deposits of metallic and of important non-metallic minerals; typical occurrences; geographical distribution.

2 lectures and 1 laboratory period per week. *Professors Gill and L. A. Clark*

Prerequisites: Geology 231c, 232b, 332.

Text: Bateman, Economic Mineral Deposits (Wiley, 1950).

443b. EARTH PHYSICS. Fourth year (Half course). Physical properties of the earth, and the processes associated with its existence, as inferred from astronomy, geodesy, seismology, geology, meteorology, terrestrial magnetic and thermal effects, geochemistry, etc. Hypotheses and theories based upon or explaining the above. Critical evaluation of these hypotheses and theories.

Second term: 3 lectures per week, one of which may be replaced by a conference. *Professor Saull*

Prerequisites: Physics 47a, or permission of instructor.

444. GEOLOGY OF NORTH AMERICA. Fourth year (Full course) (Fac.Eng.1180). The geological history, regional geomorphology, and mineral resources of the natural divisions of North America are described. In the laboratory the evolution of life through the ages and geological maps of North America are studied.

2 lectures and one 2-hour laboratory period per week, session. *Professors Eakins, Elson and Stearn*

Prerequisites: Geology 231c, 232b, 332a.

Text: Clark and Stearn, The Geological Evolution of North America (Ronald, 1960).

CRYSTALLOGRAPHY 1a (Elementary Crystallography) (Half course). Evidence for the periodic nature of crystalline matter. Repetition theory: types of symmetry consistent with translational periodicity; the geometric combination of symmetry elements to derive the 17 plane groups and 5 plane lattices; extension in the third dimension to develop the 230 space groups, the 14 Bravais lattices, and the 32 point groups. Coordinate systems of crystallography, and the indexing of planes and directions. Transformation of coordinate systems. Gnomonic and stereographic projections. Morphological expression of internal symmetry. The geometry of twinning. Geometric and vector derivation of the reciprocal lattice. X-ray diffraction by periodic structures, including van Laue equations and Bragg's law. The rotating crystal method, and its interpretation by the application of the reciprocal lattice. The powder method, including indexing of powder photographs and the identification of crystalline compounds.

2 lectures and 2 hours laboratory per week. *Professor Frueh*

References: M. J. Buerger, Elementary Crystallography (Wiley); Azaroff and Buerger, The Powder Method in X-ray Crystallography (McGraw-Hill).

CRYSTALLOGRAPHY 2b (Crystal Chemistry) (Half course). Review of electronic structure of the atom. Cohesive forces in solids: ionic bonds, including geometrical considerations, Pauling's rules, isodesmic, mesodesmic and anisodesmic compounds, and structure of some inorganic salts including silicates; van der Waal's forces; the covalent and metallic bonds, including Brillouin zones, electric and magnetic properties, and structures of the elements, intermetallic compounds and sulphides. Polymorphism and order-disorder phenomena. Crystal growth. Solid solution, and unmixing. Twinning. Crystal imperfections.

3 lectures per week. *Professor Frueh*

Prerequisite: Crystallography 1a or Geology 221.

References: R. C. Evans, An Introduction to Crystal Chemistry (Cambridge); A. F. Wells, Structural Inorganic Chemistry (Oxford); W. Hume-Rothery, Atomic Theory for Students of Metallurgy (Institute of Metals).

HONOURS COURSE IN GEOLOGY

Students intending to take Honours in Geology are advised to take Geology 121 and 230a in the First year. If this is not done, the sequence of courses to be followed will be as listed below. If it is done, additional courses may be taken as advised. Students should arrange an interview with Professor T. H. Clark before registering in the Second year.

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Prerequisite: At least a good second class standing in Chemistry 111, Physics 11 and Mathematics 111.

Second year: Geology 121 (General Geology), 221 (Mineralogy), Engineering 324 (Surveying), Chemistry 241 (Physical), Mathematics 224 (Calculus), Physics 23 (Electricity and Magnetism).

Third year: Geology 231c (Field Geology), 232b (Structural), 331a (Optical Mineralogy), 332 (Petrology), 342a (Geomorphology), 346b (Engineering Geology), Chemistry 211 (Systematic Inorganic Chemistry), 230 (half course) (Inorganic, Quantitative Analysis) and one Arts course.

Fourth year: Geology 341 (Paleontology) or 344b (Mineralograhpy) 343 (Stratigraphy), 441 (Ore Deposits), 443b (Earth Physics), 444 (Geology of North America), Engineering 751 (Geophysical Exploration for Mineral Deposits), one Arts course.

Students interested in Crystallography may be permitted to substitute Crystallography 2b for one of the half courses listed above.

Summer Work (in addition to Surveying Field School).

Two seasons' work on approved Geological or Geophysical field parties.

If Geology 121 is taken in the First year, Engineering 324 should also be taken in that year. Advanced courses may be taken in subsequent years as advised.

FIVE YEAR HONOURS COURSE IN GEOLOGY AND PHYSICS (GEOPHYSICS)

This course is designed to meet the demand from research institutions and industry for students with joint training in Physics and Geology. Students maintaining an adequate scholastic standard in the course may be admitted to the graduate school in either Geology or Physics.

First year: Physics 11 (General Physics); Mathematics 111 (Trigonometry, Algebra, and Analytical Geometry); Chemistry 111 (General Chemistry); English 100 (English Literature); English 100c (English Composition); Elective.—*5 courses in all.*

Second year: Geology 121 (General Geology); Geology 221 (Mineralogy); Engineering 324 (Surveying); Mathematics 220a (Analytic Geometry); Mathematics 223 (Calculus);

Mathematics 227 (Vectors, Determinants and Algebra); Physics 24 (Dynamics); Physics 24 (Statics)—*6 courses in all.*

Third year: Geology 231c (Field Geology, to be taken in May); Geology 232b (Structural Geology); Geology 331a (Optical Mineralogy); Geology 332 (Petrology); Mathematics 333 (Advanced Calculus); Physics 23 (Electricity and Magnetism); Chemistry 241 (Physical Chemistry)—*5 courses plus field school.*

Fourth year: Geology 343 (Stratigraphy); Geology 443b (Earth Physics); Mathematics 334 (Differential Equations); Physics 31 (Mechanics); Physics 34 (Heat and Thermodynamics); Physics 35 (Atomic Physics); Engineering 750 (Geophysical Exploration for Petroleum); Engineering 751 (Geophysical Exploration for Mineral Deposits); Engineering 770 (Geophysical Field School)—*6 courses plus field school.*

Fifth year: Geology 441 (Ore Deposits); Geology or Crystallography Elective; Mathematics 441 (Mathematical Physics); Physics 42 (Electromagnetic Theory); Physics 44a (Radioactivity and Nuclear Physics); Physics 47 (Heat and Thermodynamics); Physics 48 (Electrical Measurements); Physics 49 (Advanced Physics Laboratory)—*5½ courses in all.*

Summer Work (in addition to Surveying Field School):

At least two seasons' work on approved Geological Field Parties and one season's work on a Geophysical Field Party.

If Geology 121 is taken in the First year, Geology 230a should also be taken in that year. Advanced courses may be taken in subsequent years as advised.

CONTINUATION COURSES

Second year: Geology 121, or 221.

Third year: Geology 221 to 444.

Fourth year: Geology 221 to 444.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

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GERMAN AND RUSSIAN

Professor	H. S. Reiss (on leave of absence)
Visiting Professor	W. Rose
Associate Professor	Bertha Meyer
Assistant Professors	A. Arnold V. R. Block V. Litwinowicz
Lecturers	A. Fischer J. N. Westwood

GERMAN SECTION

FIRST YEAR

100. GERMAN LANGUAGE (Full course). Beginners' B.A. Course.

3 hours. *Professors Meyer and Block*

Texts: Curts, Basic German, 3rd ed. (Prentice-Hall); Goedsche-Glaettli, Schweitzer (Amer. Book Co.).

100X. INTRODUCTION TO GERMAN LITERATURE AND THOUGHT in English (Optional course for students of German 1 and any other students by special permission. It does not constitute a half course nor will there be an examination).

1 hour.

(*Not given in 1961-62.*)

150. GERMAN LANGUAGE (Accelerated full course).

6 hours (3 hours lectures, 3 hours practice). *Professors Meyer and Block*

Thorough study of Grammar with intensive practice to ensure greater precision and fluency. Use of readers to introduce topical material, extensive discussion in German; stress on aural comprehension.

Texts: Kirch, Moenkemeyer, Functional German (Am. Book Co., N.Y.); Guerber, Märchen und Erzählungen (Heath); Goedsche-Glaettli, Thomas Mann (Am. Book Co.)

Suitable readers will be chosen according to the progress made by the class. These readers will stress the spoken language rather than the literary.

This course is an accelerated B.A. Beginner's Course primarily for the B.A. degree. It is intended for those more enterprising students who desire voluntarily to take six hours' instruction instead of the customary three hours in order to learn the language more quickly. This course will carry credit for one course only. The students who prove unsatisfactory will, at the discretion of the department, revert to German 100

after two months at the latest. Extensive oral work will reduce the additional homework involved so that it will be not much more than the homework for German 100. It is intended to cover the linguistic work done in German 100 and German 210. On its completion a student will be able to take German 300 or German 310 or in consultation with the department, German 250. Students who begin German at the University and wish to take Honours in German are normally unable to do so unless they take this course.

Prerequisite: Permission of the Department. Registration limited.

SECOND YEAR

Note: Students who intend to proceed to Course 300 from German 100 must have obtained a high Second Class and are required to read during the summer the following: Kästner, Emil und die Detektive (Holt). Those who intend to proceed to Course 300 from German 100 must have obtained a First Class and are required to study during the summer the following texts: Kästner, Emil und die Detektive (Holt); Storm, Immensee.

GERMAN CONVERSATION

Students who intend to continue German must attend a class in Oral German (one hour a week) until, in the Professor's opinion, they have reached a satisfactory standard.

200. GERMAN LANGUAGE (Full course).

3 hours. *Professors Meyer and Block*

Prerequisite: German 100 or Matriculation in German, or their equivalent.

Texts: Purin & Keil, Learn-und Lesebuch (Holt); Goedsche-Glaettli, Beethoven (Amer. Book Co.); Kästner, Emil und die Detektive (Holt).

Private Reading: Genialische Jugend (Houghton Mifflin); Hagboldt, Das geheimnisvolle Dorf (Heath).

210. GERMAN LANGUAGE (Full course).

3 hours. *Professors Meyer and Reiss*

Prerequisite: German 100 or Matriculation in German.

Texts: L. J. Russon, Complete German Course for First Examinations (Longmans, Green); Dürrenmatt, Der Richter und sein Henker (Houghton Mifflin); Waidson, German Short Stories 1900-1945 (Macmillan).

Private Reading: Storm, Immensee; Schnitzler, Der blinde Geronimo und sein Bruder (Heath).

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250. GERMAN LANGUAGE (Accelerated full course). This course is designed as a continuation of German 150. It will continue the extensive practice of spoken German with steadily increasing emphasis upon the study of the more difficult points of grammar, translation from English into German and German into English and free composition. The readings will be chosen from original German works of progressive difficulty representing a variety of approach and style.

The student who has completed this course will have acquired a good working knowledge and appreciation of the German language. Those who wish to continue with the study of German will be able to go directly into any of the undergraduate courses in German literature given by the Department.

Texts: Russon, L. J., Complete German Course (Longmans, Green & Co.); Remarque, E. M., Drei Kameraden (American Book Co.); Brecht, B., Kalendergeschichten (W. W. Norton & Co.); Zuckmayer, C., Das kalte Licht (Appleton-Century-Crofts).

6 hours (3 hours lectures, 3 hours practice). *Professors Meyer and Block*

Private Readings: Kästner, E., Drei Männer im Schnee (Appleton-Century-Crofts); Dürrenmatt, F., Der Besuch der alten Dame (Houghton, Mifflin).

Prerequisite: German 150 or equivalent. Registration limited.

THIRD AND FOURTH YEARS

Note: In order to be admitted to the following courses a student must know German well enough to understand lectures delivered in German and express himself with some degree of fluency and correctness.

300. GERMAN LANGUAGE AND LITERATURE (Full course). No student may proceed directly from German 100 to German 300 unless he has completed the summer work as given above.

3 hours. *Professors Block and Staff*

Texts: L. J. Russon, Complete German Course; Goethe, Egmont (Holt); Goethe, Urfaust (Harper).

Private Reading: Thomas Mann, Tonio Kröger (Crofts); Grillparzer, Der arme Spielmann (Inselbücherei No. 82).

310. GERMAN LITERATURE IN THE 18TH CENTURY (Full course).

3 hours. *Professor Meyer*

Prerequisite: German 200 and/or German 300.

Texts: Lessing, Emilia Galotti (Heath); Goethe, Iphigenie (Heath); Schiller, Marie Stuart (Holt).

Private Reading: Lessing, Minna von Barnhelm; Goethe, Die Leiden des jungen Werthers (Insel-Bücherei, No. 493); Schiller, Don Carlos.

320. GERMAN LITERATURE IN THE 19TH CENTURY (Full course). The important literary movements and writers of the 19th century are studied and discussed. Collateral readings.

3 hours. *Professor Rose*

Prerequisite: Permission of the Department.

330. GERMAN LITERATURE IN THE 20th CENTURY (Full course).

3 hours. *Professors Rose and Block*

Prerequisite: Permission of the Department.

400. MIDDLE HIGH GERMAN LITERATURE AND LANGUAGE (Full course).

2 hours. *Professor Reiss*

Text: Wright-O'C. Walshe, A Middle High German Primer (O.U P. 5th edition).

(*Not given in 1961-62.*)

410. HISTORY OF THE DRAMA IN GERMAN LITERATURE (Full course).

2 hours. *Professor Arnold*

420. GERMAN LYRICAL POETRY (Half course).

1 hour, throughout the year. *Professor Reiss*

(*Not given in 1961-62.*)

430. GOETHE'S FAUST (Half course).

1 hour, throughout the year. *Professor Block*

(*Not given in 1961-62.*)

440. GERMAN HISTORY AND CIVILIZATION SINCE 1750.

It is intended to study the course of German history and civilization in its political, social and intellectual aspects with special reference to the relevant writings by important German authors, such as Lessing, Kant, Goethe, Schiller, the German Romantics, Nietzsche, Treitschke, Max Weber, Thomas Mann, etc.

3 hours. *Professor Reiss*

(*Not given in 1961-62.*)

ADDITIONAL COURSES

220. GENERAL SURVEY OF GERMAN LITERATURE FROM LESSING TO THE PRESENT DAY. This course is given in English for students who do not know enough German to understand lectures in that language. It is not open to those who are taking, or who have taken, any of the courses listed as German 310, 320, 330, 400, 410, 420, 420, 430, 440.

3 hours (Second, Third or Fourth year). *Professors Meyer and Reiss*

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German 101 and 102 are designed for candidates who wish to have a sufficient reading knowledge of the German language to meet their purposes as candidates for, for example, the B.Sc. degree or a degree in the Faculty of Graduate Studies.

(*Not given in 1961-62.*)

101. GERMAN LANGUAGE (Full course).

Students intending to proceed from German 101 to German 200 must have obtained a first or high second class and are required to read during the summer: Meyer, Akademische Freheit (Houghton-Mifflin). Those intending to proceed to German 210 must also read Kästner, Emil und die Detektive.

3 hours. *Professors Meyer and Block*

Texts: Curts, Basic German, 3rd. ed. (Prentice-Hall); Fiedler Sandbach, First German Reader for Science Students (Oxford).

102. GERMAN READING COURSE (Full course). Method and Practice of Translation. The first half of the course will be devoted to an introduction of German, the second half to actual translation of texts from various fields of interest. This course is intended for students preparing to fulfil the language requirement for the Ph.D. degree.

2 hours. *Professor Block*

Text: C. V. Pollard, The Practical Solution to German Translation. (The University Co. Op. Austin, Texas, 1950.)

COGNATE COURSE

LINGUISTICS 221. INTRODUCTION TO THE STUDY OF LANGUAGE. Available to Second and Third year students (Full course).

3 hours. *Professor C. H. Carruthers*

(*Given in the Department of Classics.*)

(*Not given in 1961-62.*)

HONOURS IN GERMAN

Students wishing to take Honours in German should select two courses a year after consultation with the department. In addition, in each year two full cognate courses must be taken in some other department with the approval of the Department of German. Students may begin Honours in German in the Third year instead of the Second year, if in the opinion of the Department they are qualified to do so.

JOINT HONOURS.

1. German and French: see under Department of Romance Languages.

2. **German and Greek or Latin:** Minimum first year requirements: German 100, Greek 1 or Latin 100 or their equivalents.

Second year:

German: Two courses selected from German 210 (Language and literature), 300 (Language and literature), 310 (18th Century literature).

Greek: Greek 221 and 222.

Latin: Latin 221 and 222.

One approved elective.

Third year:

German: Two full courses selected from German 310 (18th Century literature, 320 (19th Century literature), 330 (20th Century literature), 410 (Drama), 420 (Half course, lyrical poetry), 430 (Half course, Goethe's Faust), 440 (German History and Civilization).

Greek: Greek 331 and 332.

Latin: Latin 331 and 332.

Fourth year:

German: Two full courses chosen from German 320 (19th Century literature), 330 (20th Century literature), 410 (Drama), 420 (Half course, lyrical poetry), 430 (Half course, Goethe's Faust).

Greek: Greek 441 and 442.

Latin: Latin 441 and 442.

3. **German and English:** see under Department of English.

4. **German and History:**

First year: History 100, German 100, and *three* other courses as required by Faculty.

Second year: Two courses selected from: German 210 (Language); German 300 (Language and Literature) and German 310 (German Literature in the 18th century)
History 200 (Mediaeval Life and Institutions)
History 215 (Eastern Europe from the 7th century
One course selected from: English 200, French Linguistics 21 and Political Science 211H.

Third year: German 310 (Literature in the 18th Century)
German 320 (Literature in the 19th Century)
History 315a (The Slavs and the Habsburg Monarchy)
History 315b (War and Society in Eastern Europe)
History 410 (EuropeanThought since the Renaissance).

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Fourth year: German 330 (Literature in the 20th Century)
German 410 (Drama in German Literature), or
German 440 (German History and Civilization)
History 420 (Europe, 1789-1939)
Political Science 311 (History of Political Theory).

5. German and Philosophy:

Minimum first year requirement in German: German 1 or its equivalent.

Second year:

German: Two courses chosen from German 210 (Language and literature), 300 (Language and literature), 310 (18th Century literature).

Philosophy: Philosophy 200 (Introduction to Philosophy) and 300 (Ethics). One approved elective.

Third year:

German: Two full courses selected from German 310 (18th Century literature), 320 (19th Century literature), 330 (20th Century literature), 410 (Drama), 420 (Half course, lyrical poetry), 430 (Half course, Goethe's Faust), 440 (History and Civilization).

Philosophy: Philosophy 350 (Greek Philosophy) and 360 (Modern Philosophy).

Fourth year:

German: Two full courses selected from German 320 (19th Century literature), 330 (20th Century literature), 410 (Drama), 420 (Half course, lyrical poetry), 430 (Half course, Goethe's Faust).

Philosophy: One full course selected from Philosophy 320 (Aesthetics), 340 (Seminar on the Philosophy of History), and 420 (Seminar on the Philosophy of Kant).

And *either* Philosophy 400 (Ethics and Philosophy of Politics), if special field is Ethics,

or Philosophy 410 (Problems of Logic, Epistemology and Metaphysics), if special field is systematic Philosophy.

6. German and Spanish:

First year

Prerequisites: German 100, Spanish 11 and Latin 100, *or* the equivalent.

Second year

German	Spanish
Two full courses selected from: German 210 (language)	Spanish 21 (language and introd. to literature)

German 300 (language and introd. to lit.)
German 310 (18th cent. literature)
Spanish 22 (Modern Novel, poetry and drama)—(Honours Course)

AND one full course (elective).

Third year

Two full courses (or the equivalent) selected from:
German 310 (18th cent. lit.)
German 320 (19th cent. lit.)
German 330 (20th cent. lit.)
German 400 (Middle High German lang.)
German 410 (History of the drama)
German 440 (German History and Civilization)
Spanish 31 (19th cent. litl.)
Spanish 31 (History of the language and Medieval lit.) (Honours Course)

and:

Half courses (Honours):
German 420 (Lyrical poetry)
German 430 (Goethe's *Faust*)

AND one full course (elective).

Fourth year

Two full courses (or the equivalent) selected from the following Honours Courses:
German 320, 330, 400, 410, 440 (full courses)
German 420, 430 (half courses)
Spanish 41 (the Golden Age)
Spanish 42 (19th cent. drama) (Honours Course)
Spanish 43 (Spanish-American lit.)

NOTE: If German 310 was taken in the Third year, a third course must be added in the Fourth year, unless three courses were taken in the Third year.

Recommended Electives

Second year: Linguistics 21, or Philosophy 200

Third year: Spanish 32, *or* a course in English Lit., *or* an additional course in German, at the Third or Fourth year level.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

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RUSSIAN SECTION

Students who take Russian in order to fulfil the Modern Language requirement for the B.A. or B.Sc. degrees must take Russian 100 and Russian 200 or 205.

Classes in Russian conversation will be available.

FIRST YEAR COURSES

100. RUSSIAN LANGUAGE. First year (Full course).

Reading, grammar, translation, oral practice.

3 hours. *Professor Litwinowicz and others*

Texts: G. A. Znamensky, Conversational Russion (Ginn); James and Faden, Kniga dla chteniya dla studentov inostrantsev (Bradda, London); Unbegaun, Russian Grammar (Oxford).

102. RUSSIAN READING COURSE (Full course).

Method and practice of translation. The first half of the course will be devoted to an introduction to Russian, the second half to actual translation of texts from various fields of interest. This course is intended for students preparing to fulfil the language requirement for the Ph.D. degree.

3 hours. *Mr. Westwood*

150. RUSSIAN LANGUAGE (Accelerated full course). Thorough study of Grammar with intensive practice to ensure greater precision and fluency. Use of readers to introduce topical material, extensive discussion in Russian; stress on aural comprehension.

6 hours (3 hours lectures, 3 hours practice).

Professor Litwinowicz and Mr. Westwood

Texts: Znamensky, Conversational Russian (Ginn); A. Semeonoff, A New Russian Grammar (Dent); James and Faden, Kniga dla chteniya dla studentov inostrantsev (Bradda, London); Coulson and Duddington, Russian Short Stories, 19th Century (Oxford).

This course is an accelerated B.A. Beginner's Course primarily for the B.A. degree. It is intended for those more enterprising students who desire voluntarily to take six hours' instruction instead of the customary three hours in order to learn the language more quickly. This course will carry credit for one course only. The students who prove unsatisfactory will, at the discretion of the department, revert to Russian 100 or 105 after two months at the latest. Extensive oral work will reduce the additional homework involved so that it will be not much more than the homework for Russian 100 or 105. It is intended to cover the linguistic work done in Russian 100 or 105 and Russian 200 or 205. On its completion a student will be able to take Russian 250 or Russian 300.

Prerequisite: Permission of the Department. Registration limited.

SECOND YEAR COURSES

200. RUSSIAN LANGUAGE. Reading, Translation, Conversation.

3 hours. *Professor Litwinowicz*

Texts: Coulson and Duddington, Russian Short Stories, 19th Century (Oxford); A. Semeonoff, A New Russian Grammar (Dent).

Prerequisite: Russian 100 or equivalent.

205. RUSSIAN LANGUAGE. Translation, Reading, Conversation, Grammar.

3 hours. *Professor Litwinowicz*

Texts: Coulson and Duddington, Russian Short Stories, 19th Century (Oxford); Baring and Costello, The Oxford Book of Russian Verse; A. Semeonoff, A New Russian Grammar (Dent).

Prerequisite: Russian 105 or equivalent.

250. RUSSIAN LANGUAGE (Second accelerated full course)

This course is designed as a continuation of Russian 150. It will continue the extensive practice of spoken Russian with steadily increasing emphasis upon the study of the more difficult points of grammar, translation from English into Russian and Russian into English and free composition. The readings will be chosen from original Russian works of progressive difficulty, representing a variety of approach and style. The student who has completed this course will have acquired a good working knowledge and appreciation of the Russian language. Those who wish to continue with the study of Russian will be able to go directly into advanced courses in Russian language and literature, which will be established for the academic year 1962-63.

Texts: Chekhov's Short Stories (Oxford); Kolni-Balotzky, A Progressive Russian Grammar (Pitman); Konovalov, Russian Prose Composition (Oxford); Simonov, Russkiye ludi (play); Leonov, Russkii les (novel).

6 hours (3 hours lectures, 3 hours practice).

Professor Litwinowicz and others

Prerequisite: Russian 150 or equivalent. Registration limited.

Recommended Books for the First and Second year courses:

O'Brian, New English-Russian and Russian-English Dictionary (Dover)
Orfograficheskii slovar' russkogo yazyka, Moscow, 1959.
Forbes, The Russian Verb (Oxford).
Stilman, Russian Verbs of Motion (Kings Crown Press, New York).
Patrick, Roots of the Russian Language (Pitman).

THIRD AND FOURTH YEAR COURSES

300. RUSSIAN LANGUAGE AND LITERATURE IN THE 19TH CENTURY (Full course). Grammar. Readings from selected authors, conversation and composition. Course will be conducted in Russian.

3 hours. *Professor Litwinowicz*

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Texts: A. S. Pushkin, Kapitanskaya dochka (Dent); I. S. Turgenev, Rudin (Columbia); Baring and Costello, The Oxford Book of Russian Verse; Borras and Christian, Russian Syntax (Oxford).

Private Reading: Duddington and Gorodetzky, Tolstoy's Selections (Oxford).

Prerequisites: Russian 200 or 205, and the permission of the instructor.

400. RUSSIAN LANGUAGE AND LITERATURE IN THE XX CENTURY (Full course).
It is intended to trace the development of the Russian novel and language after the October Revolution.

The Course will be conducted in Russian.

3 hours. *Professor Litwinowicz*

Texts: M. A. Sholokhov, Tikhij Don; Ronald Hingley, Ed., Soviet Prose (Pitman).

Private Reading: Alexy N. Tolstoy, Petr Pervyi.

Prerequisite: Russian 300; or permission of the instructor.

410. DRAMA IN RUSSIAN LITERATURE (Full course).
Some representative works of the XIXth and XXth centuries are studied and discussed. Special emphasis will be placed on literary dramatic heritage of Griboedov, Pushkin, Alexander Ostrovsky, Leo Tolstoy, Chekhov, Gorkii and Simonov.

This course will be conducted in Russian.

Prerequisite: Permission of the instructor.

420. SOME ASPECTS OF RUSSIAN CIVILIZATION (Full course).
This course is intended for advanced students with demonstrated competence in the Russian language. Lectures will survey Russian thought, religion, science and technology of XVIII-XX centuries up to the present day.

Prerequisite: Permission of the instructor.

Recommended Books for the Third and Fourth year courses.

Smirnitsky, Russko-Angliiskii slovar' (Moscow, 1958).

Mueller, English-Russian Dictionary (Dutton).

Ozhegov, Slovar' russkogo yazyka (Explanatory dictionary).

Avanesov and Ozhegov, Russkoye literaturnoye udareniye i proiznosheniye (Orthoepic dictionary).

Preobrazhensky, Etimologicheskii slovar' russkogo yazyka (Columbia).

Poltoratzky and Wolkonsky, Dictionary of Russian Roots (Columbia).

Mirsky, History of Russian Literature (Knopf).

Struve, Soviet Literature (Norman).

HISTORY

Professors	H. N. Fieldhouse, *Chairman* C. C. Bayley
Associate Professors	J. I. Cooper W. S. Reid M. Mladenovic P. Zagorin
Assistant Professor	R. Vogel
Assistants (1960-61)	Shirley Ayer B. Dorotich Anna Farmakides A. M. Kahn M. B. Maxwell S. L. Pollard Allana Smith S. Straka W. K. Trickey

N.B.—Students who wish to study History either as a Continuation subject or as an Honours subject, must consult the Department as to their programme.

100. EUROPEAN CIVILIZATION IN THE MEDIAEVAL AND MODERN PERIODS. First year (Full course). The mediaeval period is studied in terms of its typical institutions: the Empire, the Papacy, feudalism, the gild, the dynastic state, etc. In the modern period, main emphasis is laid on the emergence of the Great Powers and the long-term problems, at home and abroad, which conditioned their policies.

3 hours. *Professors Bayley and Zagorin; Mr. Vogel*

ANCIENT HISTORY 110. First year (Full course). Students who wish to take this course should see the notes above on Continuation and Honours Courses in History.

3 hours. *Given by the Classics Department*

200. MEDIAEVAL LIFE AND INSTITUTIONS. Second year (Full course).

3 hours. *Professor Bayley*

205. HISTORY OF COLONIAL EXPANSION WITH SPECIAL REFERENCE TO THE BRITISH EMPIRE. Second year (Full course). Approximately one-third of the course will be devoted to the overseas activities of the European States, 1500-1713; the remainder, to the history of the British Empire and Commonwealth. Throughout, emphasis will be placed on economic and social development.

3 hours. *Professor Cooper*

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206. HISTORY OF THE AMERICAS: Second year (Full course). From the Colonial period to the present day. An introductory course with particular reference to the United States and to the states of Latin America: Discovery and colonial institutions; the determining forces of geography and of economic development; the problems posed by independence and by territorial expansion.

3 hours. *Professor Cooper*

(*Not given in 1961-62.*)

210. HISTORY OF GREAT BRITAIN. Second year (Full course). Survey of the development of British civilization since the Roman invasions. While constitutional and political changes are considered, the emphasis is placed (particularly in the modern period) on the economic, social and intellectual background.

With the consent of the Department, this course may be taken by Third year students.

3 hours. *Professor Reid*

215. HISTORY OF EASTERN EUROPE (FROM IVTH CENTURY). Second, Third and Fourth years (Full course). The mediaeval principle of legitimacy and the formation of the first barbarian states: ecclesiastical schism and the political division of Eastern Europe; the conflicts of Byzantines, Germans, Osmanlis, and Slavs; social and economic development: Eurasianism and the interaction of Western, Byzantine, and Eastern cultures.

3 hours. *Professor Mladenovic*

220. THE IMPACT OF EUROPE ON THE FAR EAST IN THE NINETEENTH AND TWENTIETH CENTURIES: AN INTRODUCTORY SURVEY. Second and Third years (Full course). Early contacts (commercial, religious); the establishment of colonial empires and spheres of influence; the modernization of Japan; decline and fall of the Manchu regime in China; the First World War and its results; the Japanese invasion of Manchuria; China under Chiang K'ai-Shek; the Second World War in the Pacific and its effects; the installation of the Communist regime in China; the rise of nationalism in southeast Asia; the current policies of the Great Powers. The emergency of Russia in the Far East and Central Asia; Soviet changes in the inherited tsarist policy; Communism in China, Japan, and Korea between the wars; the Russo-Sino-Japanese triangle and the problems of Manchuria, Mongolia, and Sinkiang; the Soviet Union and the establishment of the Chinese People's Republic; the Korean war; Mao Tse-tung and Moscow.

3 hours. *Professors Bayley and Mladenovic*

Prerequisite: History 100, or Economics 100 or consent of Instructor.

305. HISTORY OF CANADA. Third year (Full course). Early French and English enterprise in northeastern America; staple trades; settlement; colonial

institutions. British America in the era of the American Colonial and French revolutions. Economic and political problems of the early XIXth century; the creation of the Canadian federal state: Western extension: development of the Canadian northland between two World Wars.

With the consent of the Department, this course may be taken by Fourth year students. Students are normally expected to have taken either History 205, 206 or 210 as a prerequisite to this course, but exceptions may be made, at the discretion of the Instructor.

3 hours. *Professor Cooper*

310. THE RISE OF BRITISH INDUSTRIAL DEMOCRACY SINCE 1815. Third year (Full course). The economic expansion of Britain following the Napoleonic Wars and the consequent social and political movements: the rise of working class organizations, of trade unions and of the Labour party; the impact of major wars and depression upon Great Britain in the XXth century; the Labour Party's post-war rehabilitation measures.

With the consent of the Department, this course may be taken by Fourth year students.

3 hours. *Mr. Vogel*

315a. THE SLAVS AND THE HABSBURG MONARCHY (Half course). History of the problem of nationalities and of political stability in Central Europe from the time of the Slavonic migrations to the dissolution of the Austro-Hungarian Empire.

3 hours. *Professor Mladenovic*

315b. WAR AND SOCIETY IN EASTERN EUROPE (Half course). Historical, cultural, and demographic elements in the relations of the peoples of Eastern Europe and their bearing on the capacity of East European States to wage war; characteristics of East European States warfare; the bolshevik conception of warfare.

3 hours. *Professor Mladenovic*

320. THE HISTORICAL BACKGROUND OF CONTEMPORARY EUROPE. Third and Fourth years (Full course).

3 hours. *Professor Fieldhouse*

(*Not given in 1961-62*)

325. SOCIETY OF WESTERN EUROPE FROM THE RENAISSANCE TO THE EVE OF THE FRENCH REVOLUTION. Third and Fourth years (Full course). Study of selected topics in the development of social institutions, religion and culture, from the XVth century to the mid-XVIIIth e.g. Humanism; the Reformation; the expansion of Europe; the scientific revolution of the XVIIth century; the changing character of social classes; the development of absolute monarchy.

3 hours. *Professor Zagorin*

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326. TUDOR AND STUART ENGLAND. Third and Fourth years (Full course). A study of English society, politics, and thought from the end of the Middle Ages to the beginning of the eighteenth century. Among the topics discussed are, the development of the English state; economic expansion; the religious revolution; the civil war and its consequences; the intellectual and social changes which led to the formation of a liberal political order.

3 hours. *Professor Zagorin*

330. HISTORY OF FRENCH CANADA. Third or Fourth year (Full course). The first two-thirds of this course will be devoted to the period of the French regime in Canada, with particular reference to the early economic development of the St. Lawrence Valley and the early development of French-Canadian institutions. The last third of the course will deal with the adaptation of these institutions to the conditions prevailing after the British conquest and their development during the XIXth and XXth centuries.

It is desirable that students should have taken either History 205 or 305 before taking this course. Students who have not done so may be admitted at the discretion of the Instructor. A reading knowledge of French will be helpful to the student.

400. HISTORICAL DEVELOPMENT OF THE INSTITUTIONS OF GREAT BRITAIN. Fourth year (Full course).

3 hours. *Professor Bayley*

(*Not given in 1961-62.*)

401. TECHNOLOGY AND SOCIETY IN MEDIAEVAL AND MODERN EUROPE: A HISTORICAL SURVEY. Fourth year (Full course). The technological leadership of the East; the role ot Greeks, Romans, Arabs and Byzantines as transmitters; the period of accelerated borrowing and advance in Europe, XIIth - XVIth centuries; the expansion of Europe and its repercussions on industrial technology and the social order; technology as an instrument of power and welfare in XIXth century Europe; the effects of the diffusion and adoption of European technology in the non-European world during the XXth century.

3 hours. *Professor Bayley*

405. ECONOMIC HISTORY OF THE UNITED STATES AND CANADA. Third and Fourth years (Full course). Survey of the economic history of the two countries from colonial times to the present. Emphasis is placed on the XIXth and XXth centuries, the expansion and consolidation of industry, and the rise of labour organizations.

Students are normally expected to have taken History 305 as a prerequisite to this course, but exceptions may be made, at the discretion of the Instructor.

3 hours. *Professor Cooper*

410. THE HISTORY OF EUROPEAN THOUGHT SINCE THE RENAISSANCE. Third or Fourth year (Full course).

3 hours. *Professor Reid*

411. HISTORY OF CELTIC BRITAIN AND IRELAND. Third and Fourth years (Full course).

3 hours. *Professor Reid*

(*Not given in 1961-62.*)

415. HISTORY OF SOVIET RUSSIA (Full course). Geopolitical background; Marxian and non-Marxian roots of the Revolution; the two Revolutions and the Civil War; doctrinal foundations of the new order and later ideological changes: economic and political development; international relations; social structure, legal system and military organizations. cultural trends.

Save by special consent of the Department, this course is open only to students who have previously taken either History 420, 320, or 215.

3 hours. *Professor Mladenovic*

416. ECONOMIC HISTORY OF RUSSIA (Full course). Kievan society and mediaeval patrimonial economy; early capitalism; étatism and mercantilism; liberalism; the Revolution and the theoretical foundations of the new system; war-communism and NEP; collectivisation and elimination of private business enterprise; national planning and growth of industry; evolution of agricultural policies; labour and movement of population; problems of target, cost, and prices; incentive, wages and economic differentiation of society; post-stalinist reforms and tendencies; soviet economic relations with the world.

Save by special consent of the Department, this course is open only to students who have previously taken either History 420, 320 or 215.

3 hours. *Professor Mladenovic*

(*Not given in 1961-62.*)

420. HISTORY OF EUROPE, 1789-1939. Fourth year (Full course).

For Honours students only.

3 hours. *Professor Fieldhouse*

(*Not given in 1961-62.*)

421. HISTORY OF DIPLOMACY, WITH SPECIAL REFERENCE TO BRITISH FOREIGN POLICY SINCE 1815. Third and Fourth years (Full course).

3 hours. *Professor Fieldhouse*

500. SPECIAL SUBJECTS.

Honours students choose one of these special subjects for continuous study during their Third and Fourth years. They are expected to acquire

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a general knowledge of the subject chosen, and to make a more intensive study of one of its aspects, from original sources.

England in the Age of Wyclif.

England and Scotland in the period of the Reformation.

England under the Early Stuarts and the Commonwealth.

England from the Restoration to the Accession of George III.

Economic and social change in Great Britain, 1832-1914.

British Imperial History — (a) Newfoundland (b) the West Indies in the XVIIth and XVIIIth centuries.

A topic in Canadian History, 1867-1896.

France in the XVIth and XVII Centuries.

Origins of the First World War (1914-18) with special reference to British foreign policy.

Some aspects of the political history of the Balkans in the XIVth and XVth centuries.

The Russian Revolutions of 1917.

Some aspects of the relationship between war and society in modern European history.

HONOURS IN HISTORY

Honours students are required to have a reading knowledge of such foreign language or languages as may be appropriate to their proposed course of study. The Department will advise individual students on this matter.

In addition to the examination in the subjects taken in the last year, Fourth year Honours students have a general examination on their whole field of historical study.

Under appropriate circumstances, and with permission of the Department, Honours students may take courses in the Institute of Islamic Studies.

With emphasis on the English-speaking world:

First year: History 100. Four other approved courses.

Second year: History 205 or 206 and 210. Three other approved courses.

Third and Fourth years: History 305, 310, 326, 400, 405, 420 or 421, 500.

With emphasis on Continental Europe:

First year: History 100. Four other approved courses.

Second year: History 200, 210 and 215. Two other approved courses.

Third and Fourth years: History 305, 315a, b, 325, 410, 415 or 416, 420 and 500.

JOINT HONOURS

I. Honours in History and Philosophy:

First year: History 100 and *four* other approved courses.

Second year: History 200 and 215.
Philosophy 200 and 300.
Ancient History 110 (or, if this has been taken in the first year, Ancient History 210 or 220) in the Classics Department.

Third year: History 410.

Two courses selected from Philosophy 350, 360 or 370.

One course selected from History 305 or whichever of Philosophy 350, 360, 370, has not been already chosen.

Fourth year: History 400 and 420.
Philosophy 400 and 340.

II. Honours in History and Political Science.

1. *For students specializing in International Relations:*

First year: History 100 and Four other courses as required by Faculty: one of these to be an approved Modern Foreign Language.

Second year: Political Science 211H.
History 200 or 220 and 215.

And *two other approved courses:* one of which shall be in a Modern Foreign Language selected in First year.

Third and Fourth years: Political Science 311, 344, 412 and *either* 323 or 411.
History 315a, b, 415 or 416, 420 and 421.

2. *For students of Comparative Government and General History:*

First year: History 100 and *Four* other Courses as required by Faculty.

Second year: Political Science 211H.
History 200, 205 or 206 and 210.
And *one* other approved course.

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Third and Fourth years: Political Science 311, and 351, *two* courses selected from 322, 323, 325b, 355a, and 412. History 305, 420 and one of 310, 400, 405. One other approved course.

Students who propose to study Comparative Government with an emphasis on the totalitarian regimes may be permitted to substitute History 215 for either History 205 or 210, and to substitute History 415 or 416 as an elective in History in the Fourth year.

III. For Honours in **History** and **Economics**, see under the Department of Economics and Political Science.

For Honours in **History** and **English**, see under the Department of English.

For Honours in **History** and **Geography**, see under the Department of Geography.

For Honours in **History** and **German**, see under the Department of German.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

MATHEMATICS

Professors

EDWARD ROSENTHALL, *Chairman*
CHARLES FOX
H. W. E. SCHWERDTFEGER
C. D. SOLIN
HERBERT TATE
P. R. WALLACE

Associate Professors

A. EVANS
G. D. FINDLAY
I. GUTTMAN
H. KAUFMAN
J. LAMBEK
T. F. MORRIS
B. A. RATTRAY
R. SHARP
W. A. O'N. WAUGH

Assistant Professors

B. D. Aggarwala
G. Cavadias
M. Herschorn
A. Joffe
S. Kahana
S. Melamed
D. Sussman

Lecturers

Mrs. R. G. Bonyun
D. A. Bonyun
I. G. Connell
C. G. Costley
A. I. Goldrich
I. F. Griffiths
J. P. Henniger
D. Kingsbury
J. Klotz
J. Poland
L. F. S. Ritcey
Z. Rosenfeld
Mrs. H. Schwerdtfeger
I. Shtern
J. F. Shupe
A. D. Teitlebaum

FIRST YEAR

Mathematics 113 is an advanced course for First year students who have passed in Intermediate Algebra and Trigonometry at Junior Matriculation, and should be taken by those who plan to pursue an Honours Course in Mathematics.

Students registering for First year Mathematics who have passed in Intermediate Algebra and Trigonometry at Junior Matriculation will take Mathematics 112 or 113.

All other students may register for Mathematics 111.

111. TRIGONOMETRY, ALGEBRA, ANALYTICAL GEOMETRY (Full course).

PLANE TRIGONOMETRY. Radian measure, logarithms, definitions of the trigonometrical functions, relations between the trigonometrical functions, reduction of angles, addition formulae, transformations of sums and products, logarithmic solution of triangles, problems in heights and distances, inverse functions, solution of trigonometric equations, graphs.

ALGEBRA. Variation, progressions, permutations and combinations, mathematical induction, binomial theorem, theory of quadratic equations

ANALYTIC GEOMETRY. The analytic geometry of the straight line and circle.

3 hours. *Professor Tate and Staff*

Text: H. Tate, *Elementary Mathematical Analysis* (Pitman).

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112. SURVEY OF MATHEMATICS (Full course). Review of trigonometry: identitites, equations, inverse trigonometric functions. Plane analytic geometry. Mathematical induction, complex numbers, functional notation, algebraic functions, the division algorithm, remainder theorem, solutions of equations, inequalities. Algebra of sets. The number system. Elements of calculus.

3 hours. *Mr. Shtern and Staff*

Text: Allendoerfer and Oakley, *Fundamentals of Freshman Mathematics.*

113. SURVEY OF MATHEMATICS. Advanced (Full course). Analytic geometry of straight line and circle, vectors in geometry; algebra of sets, switching circuits; axioms of elementary algebra, mathematical induction, complex numbers, polynomials, division and G.C.D. algorithms; elements of calculus.

3 hours. *Professors Melamed and Sussman*

Text: Allendoerfer and Oakley, *Principles of Mathematics.*

COURSES FOR GENERAL STUDENTS

No student can get credit for both Mathematics 112 and 113.

112. SURVEY OF MATHEMATICS (Full course). See above.

220a. ANALYTIC GEOMETRY (Half course). The analytic geometry of the straight line, circle, parabola, ellipse and hyperbola, the general equation of the second degree, elements of the analytic geometry of three dimensions.

First term: 3 hours. *Mr. Kingsbury*

Text: Edwin J. Purcell, *Analytic Geometry* (Appleton-Century).

224. ELEMENTARY CALCULUS (Full course). Review of analytic geometry, limits, differentiation and integration of elementary functions, with application to the determination of lengths, areas, and volumes and the solution of simple problems in mechanics, physics, etc.; partial differentiation.

This course is intended to give students of biochemistry, chemistry, economics, and sociology a working knowledge of the elements of calculus.

3 hours. *Professor Tate and others*

Prerequisite: Mathematics 111 or 112 or 113.

Text: R. R. Middlemiss, *Differential and Integral Calculus* (McGraw-Hill).

323. ELEMENTARY STATISTICS (Full course). Use and misuse of statistics; elementary probability and probability distributions; the normal distribution; significance tests; methods of classifying data; sampling from the normal; confidence regions.

3 hours. *Professor* ————

Prerequisite: Mathematics 224.

Texts: S. S. Wilks, *Elementary Statistical Analysis* (Princeton); Wallis and Roberts, *Statistics: A Nrew Approach* (Free Press).

329. THEORY OF INTEREST AND LIFE INSURANCE (Full course). Simple and compound interest, discount, annuities certain, sinking funds, bonds, mortgage amortization, depreciation, calculation of life annuities, premiums and reserves on life insurance policies.

3 hours. *Professor Tate*

Prerequisite: Mathematics 224.

330. FURTHER CALCULUS AND DIFERENTIAL EQUATIONS (Full course). Hyperbolic functions, partial differentiation, infinite series, beta and gamma functions, multiple integrals, solution of ordinary differential equations by means of operators, solution in series.

3 hours. *Professors Solin and Sussman*

Text: T. S. Peterson, *Elements of Calculus* (Harper); Kells, *Elementary Differential Equations* (McGraw-Hill).

Prerequisite: Mathematics 224.

435. HIGHER ALGEBRA (Full course). The number system; introduction to the concepts of group, ring and field; polynomials and theory of equations; matrices and determinants; systems of linear equations.

3 hours. *Mrs. H. Schwerdtfeger*

Prerequisite: Mathematics 224.

Texts: Marie J. Weiss, *Higher Algebra for the Undergraduate* (Wiley); Kemeny, Snell and Thompson, *Introduction to Finite Mathematics* (Prentice-Hall).

HONOURS COURSES

N B. No student may register for an Honours course without the consent of the Department. This does not apply to Honours students in Chemistry who wish to take 222, 223, 332 or 447.

Second year

222. ANALYTIC GEOMETRY AND VECTORS (Full course). Analytic Geometry of two dimensions, including the ellipse, parabola and hyperbola, vector

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Algebra with applications to analytic geometry of lines and planes in three dimensions, coordinate systems in three dimensions, quadric surfaces.

3 hours. *Professor Sussman*

Textbook: H. B. Phillips, *Analytic Geometry and Calculus* (Wiley).

223. CALCULUS (Full course). Limits and continuity, derivative and differential, integration, trigonometric, exponential, logarithmic and hyperbolic functions, complex numbers, vector algebra, and determinants, elements of partial differentiation.

3 hours. Professor ————

Textbook: Phillips, *Analytic Geometry and Calculus* (Wiley).

225. CALCULUS (Full course). Limits, derivatives, and integrals. Application of differentiation and integration to the solution of problems involving maxima and minima, rates, curvature, lengths of curves, areas, volumes of solids, centres of gravity, and similar problems. Theorems of Rolle and Taylor. Partial Differentiation.

3 hours. *Professor Rosenthall*

Prerequisite: High standing in Mathematics 111 or 112 or 113.

Text: C. R. Wylie, *Calculus* (McGraw-Hill).

226. PLANE AND SOLID ANALYTIC GEOMETRY (Full course). The plane analytic geometry of the straight line, circle, parabola, ellipse, hyperbola, the general equation of the second degree, polar co-ordinates. The line, plane, sphere, central conicoids, paraboloids, and ruled surfaces of the second degree in three dimensions. Spherical Trigonometry.

3 hours. *Professor Fox*

Texts: A. B. Grieve, *Plane and Solid Analytic Geometry* (Bell); MacRobert and Arthur, *Spherical Trigonometry* (Methuen).

227. VECTORS, DETERMINANTS AND ALGEBRA (Full course). Algebra of vectors; scalar and vector product of two vectors; multiple products; differentiation of vectors with applications; determinants; Cramer's rule; special determinants. Complex numbers, including De Moivre's theorem and geometrical representation; matrices; consistency of systems of linear equations and numerical methods for their resolution; characteristic equation of a numerical matrix; polynomials in one variable, numerical solution of equations.

3 hours. *Professors Wallace and Kaufman*

Third year

331. STATICS, DYNAMICS OF A PARTICLE, AND RIGID DYNAMICS (Physics 31) (Fac. Eng. 1268) (Full course).

(a) Dynamics of a particle in one and two dimensions, motion of pairs of particles, introduction to dynamics of rigid bodies, mass systems.

First term: 3 hours. *Professor F. R. Terroux (Physics)*

Texts: Lamb, *Statics*; and Lamb, *Dynamics* (C.U.P.).

Reference books: Synge and Griffith, *Principles of Mechanics* (McGraw-Hill); Slater and Frank, *Mechanics* (McGraw-Hill).

(b) Central orbits, elements of rigid dynamics in two and three dimensions, Lagrange's equations with simple applications, oscillation about equilibrium positions.

Second term: 3 hours. *Professor Sharp*

Prerequisite: Mathematics 225, Physics 24, 25.

Text: Slater and Frank, *Mechanics* (McGraw-Hill).

Reference Books: The books listed in (a) above.

332. INTERMEDIATE CALCULUS AND DIFFERENTIAL EQUATIONS (Full course). Partial differentiation, Jacobians and implicit functions, mean value theorems, Green's theorem, Stokes's theorem, Taylor's series, line and multiple integrals, vectors. Solution of ordinary differential equations, especially with constant coefficients, solution in series by the method of Frobenius, introduction to partial differential equations. Fourier series.

3 hours. *Professor* ———

Prerequisite: Mathematics 223.

Texts: Sherwood and Taylor, *Calculus* (Prentice-Hall); Kells, *Elementary Differential Equations* (McGraw-Hill).

333. ADVANCED CALCULUS (Full course). Partial differentiation, Jacobians and implicit functions, Riemann-Stieltjes integral, mean value theorems and Taylor series, indeterminate forms, line integrals, Green's and Stokes's theorems, vectors, definition of analytic functions of a complex variable, poles and residues, evaluation of definite integrals, the Gamma function and related definite integrals.

3 hours. *Professor Rosenthall*

Prerequisite: Mathematics 225.

Texts: Franklin, *Methods of Advanced Calculus* (McGraw-Hill); R. V. Churchill, *Introduction to Complex Variables and Applications* (McGraw-Hill).

334. DIFFERENTIAL EQUATIONS (Full course). Solution of ordinary differential equations by means of operators, series and iteration methods; boundary value problems and orthogonal functions; introduction to partial differential equations; solution of partial differential equations of mathematical

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physics by use of Fourier series and integrals; Bessel functions, Legendre polynomials and applications, Laplace transforms, calculus of variations.

3 hours. *Professor Joffe*

Prerequisite: Mathematics 225.

Texts: F. B. Hildebrand, *Advanced Calculus for Engineers* (Prentice-Hall; R. V. Churchill, *Fourier Series and Boundary Value Problems* (McGraw-Hill); F. H. Miller, *Partial Differential Equations* (Wiley).

Third or Fourth year

341b. MATHEMATICAL LOGIC (Half course). Propositional and predicate calculus; Peano's axioms and formalised arithmetic; algebra of classes and relations; formal set theory and the axiom of choice.

Second term: 3 hours. *Professor Lambek*

Prerequisite: Mathematics 224.

(*Not given in 1961-62.*)

342b. INTRODUCTION TO MATHEMATICAL STATISTICS (Half course). Populations and samples; sample frequency distributions; sample mean and standard deviation; elementary probability and probability distributions; the binomial, Poisson and normal distributions; sampling from the normal distribution, including Student's—t, Chi-Square, and Fisher's F—distributions; confidence limits and tests of hypotheses; elementary regression analysis.

Second term: 3 hours. *Professor Guttman*

Prerequisite: Mathematics 225.

Texts: P. B. Hoel, *Introduction to Mathematical Statistics* (Wiley); D. A. S. Fraser, *Statistics, An Introduction* (Wiley).

343a. THEORY OF NUMBERS (Half course). The number system; repeating decimals; congruences; Diophantine equations; continued fractions; nonlinear congruences; quadratic residues.

First term: 3 hours. *Professor Lambek*

Prerequisite: Mathematics 224.

Text: B. W. Jones, *The Theory of Numbers* (Rinehart and Co.)

(*Not given in 1961-62.*)

344. GEOMETRY (Full course). Selected topics from affine, projective, order, Euclidean, elliptic, hyperbolic and conformal geometry; convex sets; classical differential geometry of curves and surfaces; topological classification of surfaces.

3 hours. *Professor Rosenthall*

Prerequisite: Mathematics 224.

345a. MATRIX ALGEBRA (Half course). Theory of systems of linear equations and its interpretation in n-dimensional geometry, linear homogeneous transformations and matrix algebra, equivalence and congruence, symmetric, Hermitian and skew-symonetric matrices; eigenvalues and eigenvectors of matrices.

First term: 3 hours. *Professor Kaufmann*

Prerequisites: Mathematics 225, 227.

Text: H. Schwerdtfeger, *Introduction to Linear Algebra* and the *Theory of Matrices* (Noordhoff, Groningen).

Fourth year

433. ADVANCED MATHEMATICAL STATISTICS (Full course). Characteristics of probability distributions; sampling from the normal; sufficient statistics and their use in estimation and tests of hypotheses; non parametric theory and order statistics; analysis of variance and elementary design of experiments, the multi-variate normal.

3 hours. *Professor Guttman*

Prerequisites: Mathematics 333, 342b.

Texts: D. A. S. Fraser, *Statistics, An Introduction (Wiley);* A. M. Mood, *Introduction to the theory of Statistics,* (McGraw-Hill); S. S. Wilks, *Mathematical Statistics* (Princeton).

434. PROBABILITY (Full course). Introduction, combinatorial analysis, conditional probabilities, expectations, distributions, central limit theorem, generating functions, random walks, recurrent events, Markov chains.

3 hours. *Professor Waugh*

Prereqisite: Mathematics 333.

Text: William Feller, *An Introduction to Probability Theory and its Applications,* (John Wiley 2nd edition, New York 1957).

The first half of this course, designated 434a, will be taken by Fifth year Honours students in Mathematics and Physics. All other students must take the full course.

440a. COMPLEX VARIABLE THEORY (Half course). Topics selected from: Rouché theorem, infinite products, entire functions, maximum modulus theorem, analytical continuation, harmonic functions, Dirichlet problem, conformal mapping, Plemelj formulae with simple applications to integral equations, multiple-valued functions.

First term: 3 hours. *Professor Schwerdtfeger*

Prerequisite: Mathematics 333.

Text: L. V. Ahlfors, "*Complex Analysis*" (McGraw-Hill).

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441. MATHEMATICAL PHYSICS (Physics 41) (Fac. Eng. 1290 and 1390) (Full course). Vibration problems, eigenfunctions and eigenvalues, sound waves, scattering problems. Fourier transforms and application to problems of heat conduction and diffusion. Introduction to relativity and wave mechanics.

3 hours. *Professor Wallace*

Texts: Joos, *Theoretical Physics* (Blackie); Lindsay, *Methods and Concepts in Theoretical Physics* (Van Nostrand).

442a. LINEAR ALGEBRA (Half course). Fields; vector spaces; linear transformations; linear groups and canonical forms; quadratic forms.

First term: 3 hours. *Professor Schwerdtfeger*

(*Not given in 1961-62.*)

442b. ALGEBRAIC SYSTEMS (Half course). Groups, rings and ideals; fields; polynomial ideals; lattices and projective geometry; solution of linear inequalities.

Second term: 3 hours. *Professor Schwerdtfeger*

(*Not given in 1961-62.*)

443. METHODS OF NUMERICAL ANALYSIS (Full course). Numerical solution of linear, algebraic, and transcendental equations, inversion of matrices, computation of eigen values and eigen vectors of matrices, orthogonal functions.

2 hours and laboratory. *Professor Schwerdtfeger*

Text: L. Nielson, *Methods in Numerical Analysis* (Macmillan Co.).

444. ANALYSIS (Full course). The real number system; metric spaces; compactness; completeness; continuous functions on a compact metric space; Lebesgue integral; Fourier series; selected topics from the theory of functions of a complex variable.

3 hours. *Professor Evans*

Texts: W. Rudin, *Mathematical Analysis* (McGraw-Hill); L. V. Ahlfors, *Complex Analysis* (McGraw-Hill).

446a. FLUID DYNAMICS (Half course). The equations of motion, conservation of energy and circulation, the theory of images, complex potential and conformal transformation methods, especially solutions for vortex arrays and aerofoil theory, Stokes's stream function for three-dimensional solutions, the equations of viscous flow and boundary layer motion.

First term: 3 hours. *Professor Fox*

Texts: Milne-Thomson, *Hydrodynamics* (Macmillan); Ramsey and Besant, *Hydro-Mechanics* (C.U.P.).

446b. MATHEMATICAL THEORY OF ELECTRICITY AND MAGNETISM (Half course). Basic theory of electrostatics and steady current theory, using the theory of images and complex potentials; magnetism, magnetic effects of currents and electro magnetic induction, Maxwell's equations, reflection and refraction of waves; rectangular wave guide propagation; dipole radiation and antennae.

Second term: 3 hours.

Text: Slater and Frank, *Electro-magnetism* (McGraw-Hill).

(*Not given in 1961-62.*)

447. HIGHER MATHEMATICS FOR CHEMISTS. For chemists and other qualified students (Full course). Selected topics in algebra, advanced calculus, and mechanics, designed for prospective students of Quantum Chemistry.

2 hours. *Professor Sharp*

Prerequisites: Mathematics 223, 332.

448b. ADVANCED DYNAMICS (Half course). General formulation of Lagrangian dynamics, Hamiltonian equations. Least action principle. Canonical transformations. Poisson brackets. Hamilton-Jacobi theory. Theory of Spinors.

Second term: 3 hours. *Professor Wallace*

Text: Goldstein, *Classical Mechanics.*

449a. TENSOR ANALYSIS. Covariant and contravariant tensors and their laws of transformation, the fundamental tensors. Covariant and contravariant differentiation. The Riemann-Christoffel Tensor and the Bianchi identities, applications to geometry, classical dynamics, and the theory of Relativity. Four-dimensional space-time. Einstein's law of gravitation and the Schwarzschild solution.

First term: 3 hours. *Professor Morris*

Text: B. Spain, *Tensor Analysis* (Oliver and Boyd).

450. THEORY OF FINITE DIFFERENCES AND LIFE CONTINGENCIES (Full course). Finite Differences, theory of interest and of single and multiple life functions.

3 hours. *Dr. Ritcey*

Prerequisites: Mathematics 224, 330.

Text: C. W. Jordan, *Life Contingencies* (Society of Actuaries); Donald, *Compound Interest and Annuities Certain* (C.U.P.).

451. QUANTUM THEORY OF MATTER. (Full course). Quantum Principles and their application to the various fields of modern physical sceince, valence theory, structure of molecules; quantum theory of solids; theory of the nucleus; high energy processes, mesons and hyperons.

3 hours. *Professor* ————

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Text: R. B. Leighton, *Principles of Modern Physics* (McGraw-Hill).

Reference: U. Fano and I. Fano, *Basic Physics of Atoms and Molecules* (Wiley).

452a. GENERAL METHODS OF CLASSICAL AND RELATIVISTIC MECHANICS (Half course). Hamiltonian Equations, Principal of Least Action, Canonical Transformations, Poisson Brackets, Hamilton-Jacobi Theory, Action-Angle Variables. Relativistic Particle Mechanics, inculding motion of charged particles in the electromagnetic field, relativistic theory of angular momentum and centre of mass. Lagrangian and Hamiltonian treatment of continuous fields.

First term: 3 hours. *Professor* ———

Reference books: Goldstein, *Classical Mechanics* (Addison Wesley); Bergmann, *Introduction to the Theory of Relativity* (Prentice-Hall).

452b. TENSOR ANALYSIS AND GENERAL RELATIVITY (Half course). The Theory of Tensors, with applications to general relativity and cosmology.

Second term: 3 hours. *Professor* ———

References: E. Schrödinger, *Space-Time Structure* (Cambridge); B. Spain, *Tensor Calculus* (Oliver and Boyd).

(*Not given in 1960-61.*)

453b. GROUP THEORY (Half course). Subgroups, permutation groups, homomorphism and quotient group, Jordan-Hölder's theorem, generators and relations, graphs, Abelian groups, fields, rings, polynomials, ideal theory.

Second term: 3 hours. *Professor Schwerdtfeger*

Texts: W. Ledermann, *Introduction to the Theory of Groups of Finite Order* (Oliver and Boyd); A. G. Kurosh, *Theory of Groups*, vol. 1, (Chelsea); B. L. Van der Waerden, *Modern Algebra*, vol. 1 (Chelsea).

SUMMARY OF ORGANIZED COURSES OF STUDY

The following courses of study are designed to give students the maximum opportunity of entering various fields in which mathematical training is fundamental. Attention is particularly called to opportunities in: research in Pure and Applied Mathematics; teaching in Universities and High Schools; applications to engineering and the physical and biological sciences; statistical work in industry and government departments; actuarial work in insurance companies.

(a) Continuation Courses for the General Degree.

These are: Second year: 224; Third year: 323, 329, 330; Fourth year: 329, 330, 435, 450. (See pages 1111, 1112 and 1118.)

Substitutions may be made only with the permission of the chairman.

HONOURS COURSES

(c) Honours in Mathematics.

Prerequisite: High standing in First year mathematics.

Second year: 225, 226, 227, and two other approved courses, normally not in mathematics.

Third year: 333, 334, 345a, 342b, one of 329, 331; 341b, 343a; 344 and one approved course, not in mathematics.

Fourth year: 440a, 453b, 444 and the equivalent of two approved full courses chosen from 341b, 343a, 344, 433, 434, 441, 443, 446a, 446b or Physics 42, 448b, 449a, 450 and one other approved course, normally not in mathematics.

Ordinary students who intend to pursue a course in **Actuarial Mathematics** should take:

Mathematics 112, 224 in their Second year,
Mathematics 330, 435, in their Third year,
Mathematics 345a, 342b, 450 in their Fourth year,

and should consult the Chairman of the Department.

(d) Honours in Mathematical Physics

Second year: Mathematics 225, 226, 227. Physics 23, 24, 25.

Third year: Mathematics 333, 334, 345a; Physics 31 (Mathematics 331), 35, 36; and either Physics 33 or one other approved half-course in mathematics.

Fourth year: Mathematics 440a, 453b, 441, 451, 452 a, b, Physics 34, 40, 42.

JOINT HONOURS COURSES

(e) Honours in Economics and Mathematics. See under Department of Economics.

(f) Joint Honours in Mathematics and Philosophy.

Second year: Mathematics 225, 226, 227, Philosophy 200.

Third year: Mathematics 333, 334, Philosophy 310, 350, 360.

Fourth year: Mathematics 345a, 453b, 444, Philosophy 350 or 360, 410.

In the Second year one elective will be chosen in consultation with the joint Departments.

Students *may* also be asked to take a seminar course in Philosophy.

(g) Joint Honours in Mathematics and Psychology.

Second year: Mathematics 225, 226, 227, Psychology 21 and one other approved full course.

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Third year: Mathematics 333, 334, 342b, 345a, Psychology 31, 34.

Fourth year: Mathematics 433, 444, Psychology 44, 46 and one other approved full course.

(h) Honours Course in Mathematics and Physics.

Prerequisite: High standing in First year mathematics and physics.

Four Year Course

Students completing their First year in or before 1960 will take this course.

Second year: Mathematics 225, 226, 227, Physics 23, 24, 25. One other approved course may be added as an extra.

Third year: Mathematics 333, 334, Physics 31, 32, 33, 34, 35a, 36.

Fourth year: Mathematics 441, 345a, 444, 446a or 448b, Physics 42, 43, 44b, 48.

(i) Joint Honours in Mathematics and Physics (Five Year Course).

Students who complete their First year in 1961 or later will take this course.

Prerequisite: High Standing in First year Mathematics and Physics.

Second year: Mathematics 225, 226, 227, Physics 23, 24, 25.

Third year: Mathematics 333, 334, Physics 31, 33, 35, 36 and either Physics 32 or Mathematics 345a.

(i) Students who propose to enter the Fourth year of the Honours in Mathematical Physics must take Mathematics 345a in the Third year.

(ii) Students who propose to enter the Fourth year of the Honours Physics course must take Physics 32 in the Third year.

Fourth year: Mathematics 440a, 441, Physics 34, 42, 48, 49 and that one of Mathematics 345a and Physics 32 which was not taken in the Third year and one other approved full course not in Mathematics or Physics.

Fourth year: Mathematics 453b, 434a, Physics 40, 43b, 44 and either Mathematics 451 or Mathematics 452a, b and 3 other approved full courses, one of which must be a continuation of the course chosen in the Third year which was neither Mathematics nor Physics.

Note that by choosing his programme in the Third year to satisfy conditions (i) or (ii) it is possible for a student to transfer to the Fourth year Honours course in Mathematical Physics or in Physics.

Note—Mathematics 331 = Physics 31 and Mathematics 441 = Physics 41.

Students intending to proceed later with advanced or graduate training in Meteorology may, with the approval of the departments concerned, substitute course 301 Meteorology, (see page 1123) instead of one full or two half courses in Fourth year Mathematics.

It is recommended that a reading knowledge of scientific French and German be acquired before the end of the Fourth year, in courses (*c*), (*h*), and (*i*) above.

(j) Mathematics and Zoology.

See under Department of Zoology.

(k) Engineering Physics.

This course, leading to a B.Eng. degree, is fully described in the Announcement of the Faculty of Engineering.

(l) Courses in the Faculty of Engineering.

These are described in detail in the Announcement of the Faculty of Engineering.

MEDAL

Attention is drawn to the Ann Molson Gold Medal, awarded annually.

GRADUATE COURSES IN PURE AND APPLIED MATHEMATICS

Organized courses of study are available for graduate work leading to a Master's degree. Details are available in the Announcement of the Faculty of Graduate Studies and Research.

METEOROLOGY

Professors	J. S. MARSHALL, *Chairman*
	F. K. HARE
Associate Professors	R. H. DOUGLAS
	W. F. HITSCHFELD
	SVENN ORVIG
Assistant Professor	B. W. BOVILLE
Special Lecturer	MICHAEL KWIZAK
Research Associate	E. VOWINCKEL

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21. GENERAL METEOROLOGY (Full course). History of meteorology. Instruments and observational data. Simple and complex climatic elements; world, regional and local climates. Physical properties of the atmosphere; thermodynamics and heat exchange; humidity, clouds and precipitation. Pressure and wind, the laws of motion, local and major wind systems. Fronts and air masses. Synoptic analysis and principles of weather forecasting.

3 hours. *Professor Orvig*

Texts: S. Petterssen, *Introduction to Meteorology* (McGraw-Hill); H. Landsberg, *Physical Climatology* (Gray Printing Co. Inc.).

Prerequisite (may be taken concurrently): Physics 22a.

301. INTRODUCTION TO METEOROLOGY (Full course). Physical properties of the atmosphere. Radiation and the energy balance. Atmospheric thermodynamics; stability; convection. Horizontal motion; pressure and wind; vorticity and circulation. Pressure systems, fronts and air masses. Physics of clouds and precipitation.

3 hours. *Professor Hare*

Text: H. Byers, *General Meteorology* (McGraw-Hill).

Prerequisites: Physics 22a and 24, Mathematics 223 or 224 or 225.

31. INTRODUCTORY PHYSICAL METEOROLOGY (Full course). Radiation and the heat budget; the upper atmosphere. Turbulence and diffusion. Atmospheric thermodynamics; convection. Physics of cloud and precipitation. Supercooling; precipitation in the ice-phase. Radar meteorology; atmospheric electricity. Propagation of light and radio waves.

3 hours. *Professor Douglas*

Texts: S. Petterssen, *Weather Analysis and Forecasting*, Vol. I and II (McGraw-Hill).

Prerequisites: Meteorology 21, Mathematics 223 or 224 or 225.

41. INTRODUCTORY DYNAMIC METEOROLOGY (Full course). The equations of motion; balanced flow. The vertical structure of wind and pressure systems. Circulation and vorticity; development theorems. Waves in the atmosphere; instability. Numerical forecasting.

3 hours. *Professor Bouille*

Text: S. Petterssen, *Weather Analysis and Forecasting*, Vol. I (McGraw-Hill).

Prerequisites: Physics 24 and 25, Mathematics 332 or 330, Meteorology 31 or 301 or Physics 34.

42. INTRODUCTORY SYNOPTIC METEOROLOGY (Full course). An introduction to meteorological analysis. The structure and behaviour of weather

systems. Analysis of weather charts and cross sections. Graphical numerical integrations.

3 hours. *Professor Boville*

Reference: S. Petterssen, *Weather Analysis and Forecasting*, Vol. I (McGraw-Hill).

Prerequisites: As for Meteorology 41, which must be taken concurrently.

CONTINUATION COURSES

The continuation courses and their prerequisite Mathematics and Physics courses, fit into the curriculum for the general B.Sc. degree as follows. Three other courses, not specifically requisite but highly desirable, are marked by asterisks.

Second year: Physics 22a, 22b*, 24, 25; Mathematics 223 (or 224 or 225); Meteorology 21.

Third year: Physics 32*; Mathematics 332 (or 330); Meteorology 31.

Fourth year: Mathematics 323*; Meteorology 41, 42*.

Alternatively, by taking course 301, a student can commence meteorology in Third year and proceed to meteorology 41 and 42 in final year.

GRADUATE COURSES

The prerequisite for postgraduate work in meteorology is an honours degree in physics or mathematics and physics. For graduate courses in meteorology, see the Announcement of the Faculty of Graduate Studies and Research.

MUSIC

MEMBERS OF THE FACULTY OF MUSIC

The courses in Music are open to those who have the qualifications for the regular courses of Music given in the Faculty of Music. The following courses may be taken as electives in the Faculty of Arts and Science. The first course of Music is for those who have offered Music as a Matriculation subject.

1. FIRST YEAR (Full course).

Harmony 101 (Faculty of Music)

Three hours.

An elementary course in written and keyboard harmony comprising a study of the following harmonic materials and techniques:

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Triads and dominant seventh chords in all dispositions and inversions; principles of chord progression; part-writing drills; study of the conventional harmonic formulas and cadences; harmonic analysis; harmonization of melody and basses (unfigured) in Bach chorale style using triads, dominant seventh chords and elementary modulations; also the composition of phrases in chorale style.

Texts: McHose, Basic Principles of the Techniques of 18th and 19th Century Composition (Chs. 13-31); McHose and White, Keyboard and Dictation Manual (Chs. 1-9).

Students will also be required to devote three hours weekly to aural training.

2. SECOND YEAR (Full course).

History and Analysis 101 (Faculty of Music). Introduction to the history and literature of Western music with special emphasis upon the nature of musical materials and styles. One weekly period will be devoted to a study of analytical techniques (motivic, melodic, harmonic, and structural analysis).

4 hours.

Texts: Parrish and Ohl, Masterpieces of Music before 1750; Sachs, Our Musical Heritage; Boyden, An Introduction to Music.

3. THIRD YEAR (Full course).

History and Analysis 201 (Faculty of Music).

Four hours.

Music of the Classical and Romantic Periods. A comparative study of selected masterworks of both periods aimed at a definition of the classical-romantic anthithesis in terms of musical styles.

Texts: Lang, Music in Western Civilization.

4. FOURTH YEAR (Full course).

History and Analysis 301 (Faculty of Music).

Fours hours.

Music of the Renaissance and Baroque periods. A study of the style and character of Renaissance and Baroque music considered both autonomously and in relation to the intellectual and aesthetic currents of these periods. The course will include detailed analysis of contrapuntal forms.

Texts: Apel and Davison, Historical Anthology of Music, Vols. 1 and 2; Bukofzer, Music in the Baroque; Lang, Music in Western Civilization; Reese, Music in The Renaissance.

PHILOSOPHY

Professors	J. W. Miller, *Chairman* T. G. Henderson Raymond Klibansky
Associate Professors	Cecil Currie Alastair McKinnon
Assistant Professors	S. McCall J. D. Ross
Lecturer	A. Gombay

GENERAL COURSES

200. INTRODUCTION TO PHILOSOPHY. Second year (Full course).

An introduction to the chief problems of Philosophy in connection with their development in Greek, mediaeval, and modern times.

Lectures: 2 hours. *Professors Henderson and Miller*

Conference groups: 1 hour. *Professors McKinnon, McCall and Ross; Mr. Gombay*

Reading: Plato, *Dialogues* (Liberal Arts); Aquinas, *Introduction to St. Thomas Aquinas* (Modern Library); Descartes, *Discourse on Method* and *Meditations* (Liberal Arts); Hume, *Inquiry concerning Human Understanding* (Liberal Arts); Russell, *Problems of Philosophy* (Galaxy).

300. ETHICS. Second or Third year (Full course).

The main types of ethical theory.

Lectures and conferences: 3 hours. *Professor McKinnon*

Reading: Plato, *Republic;* Hobbes, *Leviathan;* Butler, *Fifteen Sermons;* Kant, *Fundamental Principles of the Metaphysic of Morals;* Mill, *Utilitarianism.*

310. LOGIC AND SCIENTIFIC METHOD (Full course).

Deductive logic: introduction to modern symbolic logic with emphasis upon applications. Inductive logic and scientific method: verification, probability, hypothesis, and related topics.

3 hours. *Professors McCall and Ross; Mr. Gombay*

Textbook: Miller, *Syllabus of Introductory Logic,* and *Logic Workbook.*

Prerequisite: Philosophy 200, except for Third and Fourth year students of science.

320. AESTHETICS (Full course). A philosophical treatment of certain problems in the spheres of art and criticism. Among the subjects discussed will be:

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the nature of aesthetic experience and of the artistic object; the interpretation of a work of art; artistic form; the criteria of aesthetic value. Illustrations and examples will be drawn from a variety of arts, including music and poetry.

3 hours. *Professors McCall and Ross*

Prerequisite: At least one full course in philosophy. With the consent of the lecturers, certain students may be permitted to take this course without this requirement being fulfilled.

Reading: R. G. Collingwood, *The Principles of Art;* Monroe Beardsley, *Aesthetics: Problems in the Philosophy of Criticism.*

(*Not given in 1961-62.*)

330. PHILOSOPHY OF RELIGION (Full course). A discussion of the main problems of the philosophy of religion as considered in the works of various philosophers.

3 hours. *Professor McKinnon*

Reading: Anselm, *Monologium* and *Proslogium* (Open Court); Aquinas, *Selected Writings* (Everyman's Library); Pascal, *Pensées* (Everyman's Library); Hume, *Dialogues Concerning Natural Religion* (Nelson); Kant, *Selections* (Scribner's); Kierkegaard, *Philosophical Fragments* (Princeton); Bergson, *Two Sources of Morality and Religion* (Doubleday).

Prerequisite: Philosophy 200.

340. PHILOSOPHY OF HISTORY (Full course). An investigation into the nature, and the philosophical significance, of historical knowledge, pursued *via* readings in the works of Dilthey, Croce, Collingwood, Ortega y Gasset, Toynbee, and some other contemporary authors.

3 hours. *Professor Currie*

Prerequisite: Philosophy 200.

HISTORICAL

350. GREEK PHILOSOPHY. Third and Fourth years (Full course). The theory of knowledge and metaphysics of Plato and Aristotle, with special reference to Plato's *Phaedrus, Ion, Symposium, Republic* (Books V-VII) *Theaetetus,* and *Timaeus;* and Aristotle's *Physics, Metaphysics, De Anima,* and *Poetics.*

3 hours. *Professor Henderson*

Prerequisite: Philosophy 200 or 300, except for students in Honours courses in Greek.

Reading: The Dialogues of Plato (Random House); *Introduction to Aristotle* (Modern Library).

360. MODERN PHILOSOPHY (Full course). Epistemology and Metaphysics: the main modern discussions.

3 hours. *Professor Currie*

Reading: Locke, *Essay Concerning Human Understanding;* Hume, *A Treatise of Human Nature;* Kant, *Prolegomena to Any Future Metaphysics;* Hegel, *Introduction to the Philosophy of History;* Bergson, *Introduction to Metaphysics;* Whitehead, *The Function of Reason.*

Prerequisite: Philosophy 200.

370. MEDIAEVAL AND RENAISSANCE PHILOSOPHY (Full course). Main problems of mediaeval philosophy in their development from Plotinus and St. Augustine to the Fifteenth Century, with special reference to Boethius, Scotus Eriugena, Anselm, Abailard, the School of Chartres, St. Thomas, Master Eckhart, Duns Scotus, William of Ockham, Nicholas of Cues, Marsilio Ficino, and Pico della Mirandola.

Reading: St. Augustine, *Confessions* and *City of God* (Everyman's Library, London 1945); Boethius, *The Consolation of Philosophy* (Garnier); selections from *Mediaeval Philosophers, vols. I-II* (Modern Student's Library, Scribner's).

3 hours. *Professor Klibansky*

Prerequisite: Philosophy 200; or consent of lecturer.

SYSTEMATIC AND ADVANCED COURSES

400. ETHICS AND PHILOSOPHY OF POLITICS (Full course).

Reading:

First term. Aristotle, *Nichomachean Ethics;* Moore, *Principia Ethica;* Stevenson, *Ethics and Language.*

Second term. Selections from the following: Plato, *Crito, Gorgias, Republic, Statesman;* Aristotle, *Politics;* Thomas Aquinas, *Summa Theologica* and *Summa contra Gentiles;* Locke, *The Second Treatise of Civil Government,* and *A Letter on Toleration* (Oxford 1946); Kant, *Perpetual Peace;* Hegel, *Philosophy of History* (Scribner's) and *Philosophy of Right* (Oxford 1942); Mill, *On Liberty* and *Considerations on Representative Government* (Oxford 1946); M. Oakeshott, *The Social and Political Doctrines of Contemporary Europe* (Cambridge 1944).

3 hours. *Professors Klibansky*

Prerequisite: Philosophy 300. Honours students from other departments may be admitted with the consent of the lecturers.

410. PROBLEMS OF LOGIC, EPISTEMOLOGY, AND METAPHYSICS (Full course).

First term. C. I. Lewis' epistemology, with some consideration of his logical theory.

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Second term. The philosophy of Whitehead.

3 hours. *Professors Miller and Henderson*

Prerequisites: Philosophy 200, 310 or 350 or 360.

420. SEMINAR ON THE PHILOSOPHY OF KANT (Full course).

3 hours. *Professor Currie*

1961-62: Kant's Theory of Knowledge.

Reading: The Critique of Pure Reason (trans. N. K. Smith).

Prerequisite: Philosophy 360. (*1962-63:* Kant's Theory of Morals, Religion, and Politics.)

430. RECENT AND CONTEMPORARY BRITISH PHILOSOPHY (Full course).

Reading: Bradley, *Appearance and Reality;* Moore, *Philosophical Studies* and *Philosophical Papers;* Russell, *Our Knowledge of the External World;* Wittgenstein, *Tractatus Logico-Philosophicus,* and *The Blue and the Brown Books;* Ryle, *The Concept of Mind.*

3 hours. *Professors McCall and Ross; Mr. Gombay*

Prerequisite: Philosophy 200 and consent of the lecturers.

440. SEMINAR ON PHILOSOPHY (Full course).

Subject for 1961-62: Issues in Contemporary Philosophy.

3 hours. *The Staff*

Reading: to be announced.

Prerequisites: Open to Fourth year Honours and Graduate students; or may be taken with special consent of the lecturers.

HONOURS COURSES

Full Honours students will take at least the following courses:

Second year: Philosophy 200, (300).

Third year: Philosophy 300, 310, 350 and 360.

Fourth year: Philosophy 400, 410 and 420.

Full Honours students are advised to take Philosophy 200 and 300 in the Second year.

At the conclusion of the Fourth year, there is a comprehensive examination on the total work done in the field of Philosophy, which will take the place of examinations in the courses of that year. For Full Honours students the examination will consist of three papers; one in the history of philosophy, one in ethics, and one in systematic philosophy (logic, epistemology, and metaphysics). Students pursuing a Joint Honours course will take two of the papers, the selection being made in accordance

with the combined subject-matter of their course of study. The examination will presume a knowledge of the major classical works in each of these fields, some of which may not be dealt with in any lecture course or seminar.

JOINT HONOURS

The following courses in Joint Honours may be taken:

Economics and Philosophy (see under Department of Economics and Political Science)

English and Philosophy (see under Department of English).

French and Philosophy (see under Department of Romance Languages).

German and Philosophy (see under Department of German).

Greek and Philosophy (see under Department of Classics).

History and Philosophy (see under Department of History).

Latin and Philosophy (see under Department of Classics).

Mathematics and Philosophy (see under Department of Mathematics).

Philosophy and Political Science.

2nd year: Philosophy 200 and 300, Political Science 211H, Economics 211H (*Note:* Philosophy 300 may be taken in the Third year if desired).

3rd year: Philosophy 350 or 360, Political Science 311.

4th year: Philosophy 350 and 360 (whichever not taken before), Philosophy 400, Political Science 351 and 411.

At the end of the Fourth year, students taking Joint Honours in Philosophy and Political Science will write a Final Honours Comprehensive Examination consisting of the following papers:

Ethics and Political Philosophy,

The History of Philosophy,

Major Paper in Political Science,

Special Subject in Political Science.

CONTINUATION COURSES

Students interested in studying Philosophy in conjunction with other subjects are advised to take their selected courses in Philosophy in the sequences indicated below in connection with the other studies.

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1. Philosophy with one or more studies in the social sciences, e.g., economics, history, politics, psychology, and sociology:
Philosophy 200, 300, 310, 330, 350, 370, 400.

2. Philosophy, with one or more studies in the natural sciences, e.g., biochemistry, botany, chemistry, genetics, physics, zoology:
Philosophy 200, 310, 360, 410.

3. Philosophy with studies in English or Foreign Literature:
Philosophy 200, 300, 320, 330, 350, 360, 370.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research

PHYSICS

Professors	G. A. WOONTON, *Chairman*
	R. E. BELL
	J. S. MARSHALL
	E. R. POUNDER
Macdonald Travelling Fellow	J. S. FOSTER
Associate Professors	K. L. S. GUNN
	W. F. HITSCHFELD
	W. M. MARTIN
	ANNA I. MCPHERSON
	F. R. TERROUX
Assistant Professors	J. A. CARRUTHERS
	M. P. LANGLEBEN
	J. F. MATHISON
	E. J. STANSBURY
	R. STEVENSON
Lecturers	J. E. CRAWFORD
	W. FRISKEN
	T. M. KAVANAGH
Senior Demonstrators	V. M. FORBES
	E. V. HARKNESS
	F. H. WEBB

FIRST YEAR COURSES

Physics 11 is a one-year general course covering the main divisions of Physics and will fulfill the minimum requirement of any professional faculty calling for one college course in Physics.

Physics 111 complements Physics 22: together they cover the main divisions of Physics in two years. This combination makes available a more thorough grounding in Physics than can be provided in a one-year course.

Students entering First year and contemplating any of the Honours Courses in Physics are generally recommended to take Physics 22 instead of either Physics 11 or 111 in their First year. Approval for this substitution must be obtained from the Department.

11. GENERAL COURSE (Full course). A general course covering the elementary portions of mechanics, sound, heat, magnetism, electricity, light, and atomic physics. Simple applications of fundamental principles to well known phenomena are explained with the aid of demonstrations, laboratory work, and numerical examples.

3 hours. *Professors Gunn, Stevenson and Hitschfeld*

Laboratory (11L): 2 hours. *Professor McPherson and Demonstrators*

Texts: Smith and Cooper, *Elements of Physics* (McGraw-Hill); *An Elementary College Course in Experimental Physics* (Renouf).

111. MECHANICS AND ELECTRICITY (Fac.Eng.1311) (Full course). An introductory course covering the elementary portions of mechanics, magnetism, electricity, and atomic physics. Simple applications of fundamental principles to well known phenomena are explained with the aid of demonstrations, laboratory work and numerical examples.

3 lectures per week, session. *Professors Martin and Mathison*

Laboratory, 2 hours per week, session.

Professor McPherson and Demonstrators

Texts: Marshall & Pounder, *Physics* (Macmillan); *An Elementary College Course in Experimental Physics* (Renouf Publishing Co.)

SECOND YEAR COURSES‡

22a. HEAT (Fac. Eng. 1320) (Half course). Temperature, kinetic theory, heat engines, throttling, evaporation, hygrometry, heat transfer, radiation, and expansion.

First term: 3 hours.

Professors Marshall, Stansbury, McPherson and Langleben

Laboratory (22aL): 2 hours.

Professors Terroux and McPherson and Demonstrators

Prerequisite: Physics 11 or 111.

‡Courses 22, 23, 24 or 25 may be taken by B.Sc. students (general course) in their Third year provided that their timetables permit.

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Texts: Marshall & Pounder, *Physics* (Macmillan); Keys & Terroux, *Heat, Light and Sound Laboratory Manual* (Renouf).

22b. SOUND AND LIGHT (Fac. Eng. 1322) (Half course). Simple harmonic motion, waves, interference, moving sources, diffraction, vibrating systems, intensity level, audibility, musical scales, and acoustics. Waves and rays, lenses and mirrors, aberrations, the eye, optical apparatus, illumination, interference, polarized light. The wave theory developed in sound is used for light.

Second term: 3 hours.

Professors Marshall, Stansbury, McPherson and Langleben

Laboratory (22bL): 2 hours.

Professors Terroux and McPherson and Demonstrators

Prerequisite: Physics 11 or 111.

Texts: Marshall and Pounder, *Physics* (Macmillan); Keys & Terroux, *Heat, Light and Sound Laboratory Manual* (Renouf).

23. ELECTRICITY AND MAGNETISM (Full course). The fundamentals of magnetism, electrostatics, current electricity, electromagnetic induction, electrodynamics, theory of simple circuits, elementary electronics. Demonstrations, applications, and numerical examples are emphasized. The laboratory course is essential and complementary to the lectures, illustrating main principles and providing a thorough introduction to the theory and use of common electrical apparatus.

3 hours. *Professor Stansbury and Dr. Kavanagh*

Laboratory (23L) 3 hours. *Professor Stansbury and Demonstrators*

Prerequisite: Physics 11 or 111. Mathematics 224 or 225 to be taken concurrently.

Text: Sears, *Electricity and Magnetism* (Addison-Wesley).

23X. ELECTRICITY AND MAGNETISM (Half course). Same as course 23 without laboratory work.

Note: This course must not be taken without the approval of the lecturer.

3 hours. *Professor Stansbury*

24. DYNAMICS (Half course). Kinematics, vectors, motion under gravity, laws of motion, applications, impulse, work and energy in linear motion and rotation, projectiles, collision of elastic bodies, normal accelerations, simple harmonic motion, wave motion, pendulum, moments of inertia. Students are required to work a large number of problems.

2 hours. *Professor Terroux*

Prerequisite: Physics 11 or 111. A course in Calculus should be taken concurrently.

Text: Humphrey, *Intermediate Mechanics, Dynamics* (Longmans).

25. STATICS AND HYDROSTATICS (Half course). Statics of particles and rigid bodies acted on by forces in one plane, centre of gravity, friction, funicular polygon, virtual work. Fluid pressure, specific gravity, centre of pressure. Hooke's law and elements of elasticity, bending of beams and struts. Solutions of numerous problems by graphical and analytical methods required.

1 hour. *Professor Terroux*

Prerequisite: Physics 11 or 111. A course in Calculus should be taken concurrently.

Text: Humphrey, *Intermediate Mechanics, Statics and Hydrostatics* (Longmans).

27b. ASTROPHYSICS. (Half course). Elementary review of the determination of the positions, sizes, motions and temperatures of the stars. Spectroscopy as applied to the problems of astrophysics. Practice measurements and analysis of typical stellar spectrograms.

Second term: 2 hours, laboratory (27L): 2 hours. *Professor McPherson*

Prerequisite: Physics 11.

Reference books: Russel, Dugan and Stewart, *Vols. I, II, Astronomy* (Ginn); Baker, *Astronomy* (Van Nostrand).

THIRD YEAR COURSES*

31. MECHANICS (Mathematics 331.) (Fac. Eng. 1368) (Full course).

(*a*) Two dimensional mechanics of a particle, systems of particles and of rigid bodies; chains and cables; mass systems; dissipative forces; forced and damped oscillations; normal modes of vibration of simple systems; central orbits under attractive and repulsive forces with applications.

First term: 3 hours. *Dr. Frisken*

Text: Symon, *Mechanics* (Addision-Wesley).

Reference books: Synge and Griffith, *Principles of Mechanics* (McGraw-Hill); Slater and Frank, *Mechanics* (McGraw-Hill); Lindsay, *Physical Mechanics* (Van Nostrand); Lamb, *Dynamics and Statics* (C.U.P.)

(*b*) Central orbits and scattering problems. Lagrangian and Hamiltonian equations. Rotations. Motion of rigid bodies, principal axes and moments of inertia. Normal modes of vibration and characteristic frequencies of oscillating systems, with applications to atomic and molecular physics.

Second term: 3 hours. *Professor R. T. Sharp (Mathematics)*

*Courses 32, 33, 35 and 47 may only be taken by General B.Sc. students in their Third or Fourth years, provided that they have achieved at least high second class standing in the relevant prerequisites, and have obtained the permission of the instructor concerned.

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Text: Slater and Frank, *Mechanics* (McGraw-Hill).

Reference books: Goldstein, *Classical Mechanics* (Addison Wesley); Corben and Stehle, *Mechanics* (Wiley).

Prerequisite to both parts: Physics 24, 25; Mathematics 225.

32. PROPERTIES OF MATTER (Fac. Eng. 1366) (Half course). The standard properties of matter—elasticity, gravitation, surface tension and viscosity—are studied in both lectures and laboratory. A few lectures are devoted to errors in measurement and their treatment.

1 hour; laboratory (32L): 3 hours. *Professor Gunn*

Prerequisite: Physics 11 or 111, 24, 25; Mathematics 224 or 225.

Reference books: Smith, *General Properties of Matter* (Arnold); Newman and Searle, *General Properties of Matter* (Benn); Beers, *Introduction to the Theory of Error* (Addison-Wesley).

33. ELECTRONIC CIRCUITS AND INSTRUMENTS (Half course). Theory and application of electronic devices with emphasis on the instruments used in scientific research.

1 hour; Laboratory (33L), 2 hours. *Mr. Crawford*

Prerequisite: Physics 23.

Reference Books: Terman, *Electronic and Radio Engineering, 4th Ed.* (McGraw-Hill); Cruft Laboratory Staff, *Electronic Circuits and Tubes* (McGraw-Hill); Valley and Wallman, *Vacuum Tube Amplifiers* (McGraw-Hill); Chance et al., *Waveforms* (McGraw-Hill).

35. INTRODUCTORY ATOMIC PHYSICS (Fac. Eng. 1362) (Full course). Conduction of electricity through gases. Production and properties of free electrons. Atomic structure, elementary quantum theory. X-radiation, Ion optics, optical and mass spectroscopy. Elementary solid state theory.

2 hours. *Professor Pounder*

Prerequisite: Physics 23, Mathematics 224 or 225.

Text: Wehr and Richards, *Physics of the Atom* (Addison-Wesley).

Reference books: Stranathan, *The Particles of Modern Physics* (Blakiston); Millman and Seely, *Electronics* (McGraw-Hill); Richtmyer and Kennard, *Introduction to Modern Physics* (McGraw-Hill); Peaslee, *Elements of Atomic Physics* (Prentice-Hall).

36. ADVANCED LIGHT (Fac. Eng. 1364) (Full Course). The essentials of geometrical and physical optics with advanced laboratory work. Electromagnetic theory, interference, diffraction, polarization, simple spectrum analysis, determination of fine structure of spectral lines, Zeeman effect, theory and use of optical apparatus (e.g., glass and quartz spectographs, Lummer plates, interferometers, and polarimeters).

First term: 2 hours. Second term: 1 hour. Laboratory (36L): 3 hours (session). *Professor McPherson*

Prerequisites: Physics 11 or 22, Mathematics 224 or 225.

Reference books: Morgan, *Introduction to Geometrical and Physical Optics* (McGraw-Hill); Robertson, *Physical Optics* (Van Nostrand); Wood, *Physical Optics* (Macmillan); Jenkins and White, *Fundamentals of Optics*, (McGraw-Hill); Hardy and Perrin, *The Principles of Optics* (McGraw-Hill).

FOURTH YEAR COURSES

40. ATOMIC AND NUCLEAR PHYSICS LABORATORY (Full course). Measurements of atomic quantities: e, e/m, h/e, ionization potentials. Radioactive growth and decay. X-rays: crystal diffraction, characteristic radiation, absorption studies. Radioactive radiations: absorption of alpha, beta and gamma rays, Rutherford scattering of alpha-rays, Compton scattering of gamma-rays, beta-ray spectra. Statistical fluctuations in atomic processes. The course serves also as an introduction to the techniques and instrumentation in current use.

3 hours. *Professors Martin and Terroux and Demonstrators*

Prerequisites: Physics 23, 31, 33, 35; Mathematics 333, 334.

41. MATHEMATICAL PHYSICS (Mathematics 441) (Fac. Eng. 1390) (Full course). Vibration problems, eigenfunctions and eigenvalues, sound waves, scattering problems. Fourier transforms and application to problems of heat heat conduction and diffusion. Introduction to statistical mechanics and wave mechanics.

3 hours. *Professor R. T. Sharpe (Mathematics)*

Prerequisite: Mathematics 333.

Reference books: Margenau and Murphy, *The Mathematics of Physics and Chemistry* (McGraw-Hill); Coulson, *Waves* (Oliver and Boyd); Lindsay, *Concepts and Methods of Theoretical Physics* (Van Nostrand); Joos, *Theoretical Physics* (Blackie); Sommerfeld, *Partial Differential Equations* (Academic Press); Born, *Atomic Physics* (Blackie); Menzel, *Mathematical Physics* (Prentice-Hall).

42. ELECTROMAGNETIC THEORY (Fac. Eng. 1388) (Half course). General properties of a vector field; the electrostatic field in a vacuum and in material media; currents and their interactions; Maxwell's equations for stationary and moving media; energy, force and momentum in electromagnetic field; plane waves; the inhomogeneous wave equation; advanced and retarded potentials; the Lienard-Wiechert potentials;

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the field of a moving electron; radiation from an accelerated charge; difficulties in classical electron theory.

First term: 2 hours; Second term: 2 hours. *Professor Stevenson*

Prerequisites: Physics 23 and Mathematics 333, 334.

Reference books: Slater and Frank, *Electromagnetism* (McGraw-Hill); Stratton, *Electromagnetic Theory* (McGraw-Hill); Ramo and Whinnery, *Fields and Waves in Modern Radio* (Wiley); Panofsky and Phillips, *Classical Electricity and Magnetism* (Addision-Wesley); Lorentz, *The Theory of the Electron* (Dover).

43b. ATOMIC AND MOLECULAR STRUCTURE (Fac. Eng. 1382) (Half course). A concise and connected description of selected topics including recent investigations. Spectra and structure of one electron system; helium; multiplet structure and electron-spin; energy levels according to Dirac; Pauli principle and periodic classification; Zeeman and Stark effects; Lamb-Retherford experiment; hyperfine structure in hydrogen and radio-astronomy; molecular spectra and structure; calculation of ionization potentials; energy level shifts; simple molecular structures; nuclear spins and quadrupole moments.

Second term: 2 hours. *Professor Mathison*

Laboratory, see Physics 40.

Prerequisite: Physics 35.

Reference books: Herzberg, *Atomic Spectra and Atomic Structure* (Dover); White, *Introduction to Atomic Spectra* (McGraw-Hill); Series, *Spectrum of Atomic Hydrogen* (O.U.P.); Herzberg, *Molecular Spectra and Molecular Structure.* vol. 1 and 2 (Van Nostrand); Leighton, *Principles of Modern Physics* (McGraw-Hill).

44a. RADIOACTIVITY AND INTRODUCTORY NUCLEAR PHYSICS (Fac. Eng. 1392a) (Half course). The phenomena of radioactive disintegration and the laws of transformation of successive products; nature and properties of radiations; methods of detection and measurement; mechanisms of absorption and scattering; neutrons, positrons and the constitution of nuclei; artificial disintegration processes; fission and fusion.

First term: 2 hours. *Professor Terroux*

Laboratory, see Physics 40.

Prerequisite: Physics 35.

Reference books: Rutherford, Chadwick and Ellis, *Radiations from Radioactive Substances* (C.U.P.); Cork, *Radioactivity and Nuclear Physics* (Van Nostrand); Lapp and Andrews, *Nuclear Radiation Physics* (Prentice-Hall); Semat, *Introduction to Atomic and Nuclear Physics* (Rinehart); Kaplan, *Nuclear Physics* (Addison-Wesley).

44b. PARTICLES AND QUANTA OF MODERN PHYSICS (Fac. Eng. 1392b) (Half course). X-rays and γ-rays; sources, detection, wave-length and energy measurements; optical properties, X-ray spectra and atomic energy levels; bremstrahlung, absorption and scattering; high energy physics; cosmic rays, behaviour of very high energy particles and photons; experimental methods; the elementary particles; high energy accelerators.

Second term: 2 hours. *Professor Bell*

Laboratory, see Physics 40.

Note: Either half of this course, 44a or 44b may be taken by qualified students as a half course.

Prerequisite: Physics 35.

Reference books: Leighton, *Principles of Modern Physics* (McGraw-Hill; Peaslee, *Elements of Atomic Physics* (Prentice-Hall); Blackwood, Osgood and Ruark, *An Outline of Atomic Physics* (Wiley); White, *Introduction to Atomic Spectra* (McGraw-Hill); Evans, *The Atomic Nucleus* (McGraw-Hill).

45. WAVE MOTION AND QUANTUM PHYSICS (Full course). Vibrating strings and eigenvalue problems. Expansions in eigenfunctions. Wave equations in three dimensions, sound waves, scattering problems, scattering cross-sections. Potential problems, spherical harmonics. Formulations of quantum mechanics, operator representations, Heisenberg principle. One-dimensional problems, rectangular potential functions, alpha-decay, harmonic oscillator. Three-dimensional potential well, hydrogen atom. Perturbation theory. Electron spin.

3 hours. *Professor Pounder*

Prerequisites: Physics 31, 35; Mathematics 333, 334.

46b. SOLID STATE PHYSICS (Half course). Waves in crystal lattices. The Bravais Lattice, Von Laue's treatment of X-ray diffraction, Bragg reflections, the reciprocal lattice, wave vectors, boundary conditions and Brillouin Zones. These ideas are applied to a study of lattice vibrations, leading to a discussion of specific heats of solids. The theory of electrical conduction in solids is sketched starting with the ideas of Lorentz, through Sommerfelt to the modern concepts of energy bands in solids.

Second term: 2 hours. *Professor Woonton*

Prerequisites: Physics 23, 31, 35; Mathematics 333, 334.

47. HEAT AHD THERMODYNAMICS (Fac. Eng. 1342) (Full course). Thermodynamic systems and variables. The zeroth, first and second laws. The thermodynamics of: heat engines; two-phase systems, including a statement of the third law; thermoelectricity; Joule-Thomson effect;

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thermionic emission; thermal radiation. Kinetic theory of gases, introduction to statistical mechanics.

2 hours. *Professor Hitschfeld*

Prerequisites: Physics 22a and Mathematics 224 or 225.

Text: Sears, *Introduction to Heat, Thermodynamics, Kinetic Theory and Statistical Mechanics* (Addison-Wesley).

Reference books: Zemansky, *Heat and Thermodynamics* (McGraw-Hill); Hoare, *Textbook of Thermodynamics* (Longmans Green); Sir James Jeans, *Kinetic Theory of Gases* (C.U.P.); Worthing and Halliday, *Heat* (Wiley).

48. ELECTRICAL MEASUREMENTS (Half course). A.C. networks and circuit theorems; dipole antenna theory; the theory and application of waveguides, including cavity resonators; theoretical and practical aspects of noise, including Johnson noise and shot noise; introduction to paramagnetic and nuclear magnetic resonance.

First term: 1 hour. Second term: 2 hours. *Professor Carruthers*

Laboratory: see Physics 49.

Prerequisites: Physics 23, 33, Mathematics 332 or 333.

Text: Scott, *The Physics of Electricity and Magnetism* (Wiley).

Reference books: Reitz and Milford, *Foundations of Electromagnetic Theory* (Addison-Wesley); Ramo and Whinnery, *Fields and Waves in Modern Radio* (Wiley).

49. ADVANCED PHYSICS AND ELECTRICAL MEASUREMENTS LABORATORY (Full course). Impedance measurements from audio frequencies to centimetre wavelengths; dielectric relaxation; paramagnetic and nuclear resonance; noise figure measurements.

3 hours. *Professor Carruthers*

Prerequisites: Physics 23, 33; Mathematics 332 or 333.

Text: von Hippel, *Dielectrics and Waves* (Wiley).

Reference books: Reitz and Milford, *Foundations of Electromagnetic Theory* (Addison-Wesley); Montgomery, *Techniques of Microwave Measurements* (Radiation Lab. Series); Michels, *Electrical Measurements and their Application* (Van Nostrand).

HONOURS COURSES

Note: Students entering First year who are contemplating any of the Honours Courses in Physics are advised to consult the Physics Department. (See note under First year Courses). No student is allowed to register for an Honours Course without the written approval of the Department, or Departments, concerned.

HONOURS COURSES IN PHYSICS

Prerequisite: High standing in First year Mathematics, Physics 11 or 22 (*See Note above*).

Second year: Mathematics 225, 226, 227; Physics 23, 24, 25.

Third year: Mathematics 333, 334, Physics, 31, 33, 35, 36 and either Physics 32 or Mathematics 345a.

Note: Students proposing to enter the Fourth year of the Honours Physics course must take Physics 32.

Fourth year: Mathematics 452a; Physics 40, 42, 43b, 44, 45, 46b, 47, 48, 49.

JOINT HONOURS COURSES

Biophysics: See under Department of Physiology.

Chemistry and Physics: See under Department of Chemistry.

Geology and Physics: See under Department of Geological Sciences.

Mathematics and Physics: See under Department of Mathematics.

Physics and Physiology:

Prerequisite: High standing in First year Courses.

Note: Students entering First year who contemplate taking this Honours Course should consult the Physics and the Physiology Departments concerning the choice of courses in First year. Botany/Zoology 100 should be taken in the First year; otherwise it must be taken as an *extra* course in the Second year.

Second year: Mathematics 225, 226, 227; Physics 23, 24, 25.

Third year: Chemistry 202, Mathematics 333, 334; Physics 31, 33; Physiology 21.

Fourth year: Biochemistry 31; Physics 35, 36, 47; Physiology 31, 32.

Fifth year: Physics 40, 42, 43b, 44, 45, 48; Physiology 41, 42.

CONTINUATION COURSES

Second year: Physics 22 or other courses as listed for the Third year, below, by special permission.

Third year: Physics 23, 24, 25, 27b or other courses by departmental permission.

Fourth year: Physics (32, 35), (44a, 44b, 43b), (32, 47), (35, 44b) or other courses by departmental permission.

Students selecting Physics as a Continuation Subject must also select Mathematics 224 or 225, and later 330 or the equivalent.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

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PHYSIOLOGY

Professors	F. C. MacIntosh, *Chairman*
	A. S. V. Burgen
	B. D. Burns
Associate Professor	Kathleen G. Terroux
Assistant Professors	R. I. Birks
	Simon Dworkin
	R. P. Gannon
	Bernice Grafstein
	E. J. Reininger
	Paul Sekelj
Lecturers	Carl Pinsky
	O. M. Solandt

21. INTRODUCTORY PHYSIOLOGY (Full course). For students in the Faculty of Arts and Science, the School of Physical and Occupational Therapy, and the School for Graduate Nurses. The emphasis in this course will be on the physiology of man.

First term: 3 hours; Second term: 2 hours and 3 hours laboratory. *Professor Terroux*

Prerequisites: Physics 11, Chemistry 111, Botany 100 (a or b) with Zoology 100 (b or a), Chemistry 202 or 221, and Zoology 221 or 321. The last two courses may be taken concurrently with Physiology 21.

Texts: Bell, Davidson and Scarborough, *Textbook of Physiology and Biochemistry*, or Winton and Bayliss, *Human Physiology*.

31. INTERMEDIATE PHYSIOLOGY (Full course). A systematic account of body functions, with considerable emphasis on cellular physiology and biophysics.

3 hours. *Professor Grafstein*

Prerequisites: Physiology 21, Biochemistry 31. Biochemistry 31 may be taken concurrently.

32. EXPERIMENTAL PHYSIOLOGY (Full course). Lectures, seminars and laboratory work at the intermediate level. This is a companion course to Physiology 31.

2 hours and 3 hours laboratory. *Professor Grafstein*

Prerequisite: Physiology 31, which may be taken concurrently.

33. PHYSIOLOGICAL LABORATORY (Half course extending over both terms) For Biochemistry Honours students only.

1 hour and 3 hours laboratory. *Professor Grafstein*

Prerequisite: Physiology 31.

41. ADVANCED GENERAL PHYSIOLOGY (Full course). The action of drugs on tissues; cell structure, permeability, and ion transport; secretory mechanisms.

First term: 3 hours, 8 hours laboratory, and seminar. *Staff*

Prerequiste: Physiology 31.

42. ADVANCED MAMMALIAN PHYSIOLOGY (Full course). Circulation, respiration, properties of excitable tissues, nervous system.

Second term: 3 hours, 8 hours laboratory, and seminar. *Staff*

Prerequisite: Physiology 31.

43. PHYSIOLOGICAL INSTRUMENTATION (Full course). Theory and application of instruments used in physiological and medical research.

2 hours lecture and 3 hours laboratory. *Professor Sekelj*

Prerequisites: Physiology 31, Physics 23.

44. SELECTED TOPICS IN PHYSIOLOGY (Full course).

2 hours lecture, and experimental project. *Staff*

Prerequisite: Physiology 31.

HONOURS COURSE IN PHYSIOLOGY

Students are normally admitted to Honours at the beginning of the Third year on the basis of high standing in Physiology 21 and the other prerequisite courses; but Second year students who may wish to enter on this programme are advised to consult the Department before they register.

First year: Physics 11, Chemistry 111, Botany 100 (a or b) and Zoology 100 (b or a).

Second year: Physiology 21, Zoology 221 or 321, Chemistry 221 or 202, and either one or two of Chemistry 241, Physics 23, or Mathematics 224.

Third year: Physiology 31 and 32, Biochemistry 31, Physics 23 (if not already taken), and either one or two of Biochemistry 37, Chemistry 241, Mathematics 224, Zoology 322.

Fourth year: Physiology 41, 42, 43 and 44, and an additional course to be chosen in consultation with the Department.

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HONOURS COURSE IN BIOPHYSICS

Students are admitted to this four-year programme at the beginning of the Second year, with the consent of the Departments of Physics and Physiology. First year students who wish to consider taking this course, or the five-year Joint Honours Course in Physics and Physiology, are advised to consult these departments before they register.

First year: The recommended courses are Mathematics 113; Physics 22; Chemistry 111; Botany 100 (a or b) and Zoology 100 (b or a); English 100.

Second year: Mathematics 225, 227; Physics 23, 24, 25; Chemistry 221 or 202; Physiology 21.

Third year: Mathematics 334; Physics 33; Chemistry 241; Biochemistry 31; Physiology 31 and 32.

Fourth year: Mathematics 333; Physics 34, 44a, 48, 49; Physiology 41 and 42.

JOINT HONOURS COURSE IN PHYSIOLOGY AND PSYCHOLOGY

Students are normally admitted to this programme at the beginning of the Second year, with the consent of the two departments.

First year: The recommended courses are Mathematics 111; Physics 11; Chemistry 111; Botany 100 (a or b) and Zoology 100 (b or a); English 100.

Second year: Chemistry 221 or 202; Physiology 21; Psychology 21; and other courses to be chosen in consultation with the two departments. Psychology 22 (a or b) must be taken in either the Second or the Third year.

Third year: Biochemistry 31; Physiology 31, 32; Psychology 31, 34, and 22 (a or b) if not already taken.

Fourth year: Physiology 41, 42; Psychology 43, 44, 46; an elective course preferably in a biological or social science.

JOINT HONOURS COURSE IN PHYSICS AND PHYSIOLOGY: See under Department of Physics.

PSYCHOLOGY

Professors	E. C. WEBSTER (*Chairman*) G. A. FERGUSON D. O. HEBB
Associate Professors	DALBIR BINDRA W. E. LAMBERT R. B. MALMO P. M. MILNER
Assistant Professors	M. S. RABINOVITCH MURIEL STERN
Research Associates	M. P. BRYDEN R. C. GARDNER R. M. PRITCHARD P. M. ROWE
Lecturer	B. MILNER

APPLIED PSYCHOLOGY CENTRE

Professor	E. C. WEBSTER (*Director*)
Associate Professor	E. G. POSER
Assistant Professor	V. DOUGLAS
Lecturers	C. W. ANDERSON G. DUFRESNE B. WIGDOR

Students interested in applied psychology (industrial, clinical, vocational guidance, etc.) should note that the undergraduate curriculum is not sufficient to prepare them for professional work. They will need an Honours degree or its equivalent, followed by a year at least of graduate study. Such students should consult Dr. Webster in planning their undergraduate course.

21. INTRODUCTION TO PSYCHOLOGY. Second year. (Full course.) A biologically oriented outline of the modern approach to psychology.

2 hours and one weekly conference. *Professors Hebb and Stern*

Prerequisite to all further courses in Psychology except Course 22.

22a or b. PSYCHOLOGICAL STATISTICS. Second or Third year. (Half course.) The statistical analysis of psychological data; frequency distributions; graphic representation; measures of central tendency and variability;

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elementary probability theory; the normal probability curve; simple correlation methods; elementary sampling theory and tests of significance.

First and second terms: 3 hours. *Professor Ferguson*

31. EXPERIMENTAL PSYCHOLOGY. Third or Fourth year (Full course). Introduction to laboratory instruments and procedures in which the student will investigate established phenomena of perception and learning. The student will be required to carry out an experimental project in some field of psychological investigation.

1 hour lecture, 4 hours laboratory. *Professor Lambert*

Required of all Third year Honours students; open to general students only with the instructor's consent.

32. PERCEPTION AND LEARNING. Third or Fourth year (Full course). Analysis of phenomena such as discrimination, perceptual constancy, perception of distance and movement, social perception, learning and forgetting, transfer of training, problem solving and insight; consideration of the nature of the perceptual learning, and thinking processes.

3 hours. *Dr. Bryden*

33. DEVELOPMENTAL PSYCHOLOGY. Third year (Full course). The development of certain aspects of behaviour in animals and man with particular attention to motor and sensory development and to the evaluation of language, intelligence, emotions, and social behaviour.

3 hours. *Professor Rabinovitch*

34. MOTIVATION. Third year (Full course). Analysis of emotional and motivational activities in terms of their origin and the factors determining their occurrence; the significance of arousal, blood chemistry, and sensory cues; interpretation of behavioral disorders; effect of drugs on behaviour; relevant neurological facts and theories.

3 hours. *Professor Bindra*

35. PERSONALITY AND ITS SOCIAL CONTEXT. Third year (Full course). An introductory study of both personality and social psychology which treats the nature and development of personality and stresses its social determinants.

3 hours. *Professor Douglas*

36. THE COMPARATIVE STUDY OF BEHAVIOUR. Third or Fourth year. (Full course.) An advanced general course, primarily for the student in biology, dealing with such topics as intelligence, motivation, and social behavior in animals, from an evolutionary point of view.

3 hours. *Professor Milner*

Prerequisite: Psychology 21, and preferably a course in Zoology.

37. LABORATORY, COMPARATIVE. Third or Fourth year. (Half course.) Laboratory to accompany Course 36. 50 hours laboratory work concentrated at some time during the term, by arrangement with the instructor.

Prerequisite: Psychology 36, and consent of instructor.

Professor ———————

42. SOCIAL PSYCHOLOGY. Fourth year (Full course). An integrated study of theory of social psychology; social aspects of general psychology; nature and effects of group memberships; social attitudes and motives, their measurement and modification.

3 hours. *Professor Lambert*

43. MODERN PSYCHOLOGY IN HISTORICAL PERSPECTIVE. Fourth year (Full course). A survey course from a historical viewpoint of important and persisting problems in psychological thought, e.g. body-mind problem, physical bases of memory, scientific study and measurement of behaviour, intelligence, mental abnormality, etc. Contributions of Descartes, Fechner, Darwin, Pavlov, Freud, Watson and others are explored. Reading of original source material is required.

3 hours. *Professor Bindra*

44. EXPERIMENTAL PROBLEMS. Fourth year and graduate. (Half course.) Supervised investigation of a special field. Open to fourth year Honours students.

1½ hours in both terms. *Professor Stern*

46. PHYSIOLOGICAL PSYCHOLOGY. Fourth year (Full course). The physiological basis of perception, and the relationship between the nervous system and behaviour. The effects of modern neurophysiological concepts on psychological theory are considered.

3 hours. *Professor Milner*

47. INDUSTRIAL AND COUNSELLING PSYCHOLOGY. Fourth year (Full course). A critical survey of the applications of psychology to business, industry and human relations with particular reference to the empirical bases of personnel selection, training, and counselling.

3 hours. *Mr. Anderson*

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48. NATURE AND MEASUREMENT OF HUMAN ABILITIES. Fourth year (Full course). An introduction to the description and theory of human ability, its correlates and the role of learning and heredity in its formation; factors producing changes in ability; sex, race and socio-economic differences. Test construction and methods of measurement.

3 hours. *Dr. Gardner*

HONOURS COURSES

Admission to Honours will normally take place at the beginning of the Third Year, and be determined by the student's standing in Psychology 21, 22a or 22b, and in related subjects. If Psychology 22a has not been taken in the Second year, this deficiency must be made up immediately.

Granting of Honours will not depend on high marks alone, nor on taking a large number of courses in psychology, but on the student's comprehension of psychological principles, knowledge of related fields, and his ability to express himself well. Honours standing will therefore be determined (a) by a comprehensive examination, (b) by a short thesis which will be judged for adequacy of presentation as well as content, and (c) by course standing.

In each of their Third and Fourth years, Honours students will normally take two and a half courses in Psychology and the balance in related fields, including Philosophy as well as the Social and Biological Sciences. For the B.Sc. student a course in Physiology is required, and the prerequisites for it should be taken in the first two years. The B.A. student may take a sequence of Social-Science courses, approved by the Department, in place of Physiology.

JOINT HONOURS

The following courses in Joint Honours may be taken:

Mathematics and Psychology (B.Sc.) (see under Department of Mathematics).

Physiology and Psychology (B.Sc.) (see under Department of Physiology).

CONTINUATION COURSES

Second year: Psychology 21, 22a or 22b.

Third year: *B.A. students:* Psychology 32, 33, 34, 35; *B.Sc.*, Psychology 32, 34, 36, 37.

Fourth year: *B.A. students:* Psychology 42, 43, 47, 48; *B.Sc.*, 43, 46, 48.

RELIGION

MEMBERS OF THE FACULTY OF DIVINITY

(Prospective students should consult Dean S. B. Frost, Divinity Hall.)

COURSES OFFERED AS SUBJECTS FOR THE B.A. OR B.SC. DEGREE

200. RELIGION AND THE ANCIENT NEAR EAST—The origins of religion in palaeolothic times, and its role in the Ancient Near East, with particular reference to Egypt and Mesopotamia. Religion among the Hebrews, with special reference to the cultural and religious consequences of the Prophetic Movement in Israel.

Professors Frost and Smith

300. RELIGION IN WESTERN CIVILIZATION. The origin and meaning of Christianity. The Hellenistic Inheritance. The Growth of the Church. The Medieval Synthesis. The continuing Jewish Tradition. The Reformation and the Age of Enlightenment.

Professors Jay and Johnston

400. RELIGION AND CONTEMPORARY THOUGHT. A critical study of fundamental religious ideas in relation to the change in western thought which began in the 17th and 18th centuries and gives its character to the contemporary situation; with special reference to the ideas of revelation, creation, religious experience, the problem of evil, religion and morality, life after death.

Professor Evans

410. RELIGION IN THE ORIENT. Introduction to the great religious traditions of the Orient, with special emphasis on one of them. In the first term, a prefatory general survey dealing synoptically with the religious life of modern "primitive" societies, and then with each of the main faiths. In the second term, a fuller historical study of one of the Oriental religious traditions: its teaching, institutions, and cultural achievements, with an attempt to interpret what these mean to its members.

Dr. Adams and Professor Smith

Students wishing to select Religion as one of their Cognate Subjects should take Course 200 in the Second year, Course 300 or Philosophy 330 in the Third year and in the Fourth year at least one of the following: Religion 400, Religion 410, Philosophy 330. (Note: The prerequisite for Philosophy 330 is Philosophy 200.)

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ROMANCE LANGUAGES

French Section

Professor	J. E. L. Launay, *Chairman of the Department*
Associate Professors	Hélène Larivière Marie-Thérèse Reverchon André A. Rigault
Assistant Professors	Yvonne Champigneul Maurice Rabotin Tadeusz Romer
Lecturers	Nicole Deschamps Thérèse Férault Henri Jones Guy Mentha Julie Stevenson

Italian Section

Associate Professor	Antonio d'Andrea
Assistant	Pamela Stewart

Spanish Section

Associate Professors	L. B. Harrop Robina E. Henry
Assistant Professors	Monica Harvey G. F. Stegen
Lecturer	Enrique Ruiz-Fornells

FRENCH

The Department offers no beginners' courses in French, and French is the only language used in lectures, except in First year composition classes. Students with little knowledge of spoken French will find it necessary to do extra work to acquire some fluency in the language and sufficient aural comprehension.

The French Summer School offers McGill B.A. students courses which, in certain circumstances, can be counted for credit in lieu of the regular First or Second year courses offered during the regular session. For further information regarding credit courses in the French Summer School apply to the Secretary of the Department.

Both oral and written examinations are held on each year's work.

The oral examination (in both General and Honours courses) counts for 50 per cent.

Students who intend to take Honours in French in their Second year must take a course in Latin in their First year.

GENERAL COURSES—

FIRST YEAR COURSES

First year B.A. students who have elected to take French in the First and Second years in order to satisfy the Language Requirement attached to the B.A. degree must register in either *French 100* or *French 120.*

First year student candidates to a degree other than B.A. will be admitted to register in either *French 110* or *French 120.*

Second and Senior year students, whatever the degree course pursued, who desire to take a French course at the First year level, will be admitted into *French 110 only.*

100. *Open to B.A. 1 students only.* REVIEW OF SPEECH PATTERNS AND WRITTEN STRUCTURES; READINGS IN CONTEMPORARY LITERATURE (Full course).
3 hours. *Professor Rigault and Staff*

Texts: Mauger, *Cours de langue et de civilisation françaises, T.III* (Hachette); C. D. Rouillard, ed., *Souvenirs de Jeunesse* (Harcourt,Brace).

110. *Open to all students except B.A.1 students.* SURVEY OF CONTEMPORARY FRENCH CIVILIZATION; COMPOSITION AND GRAMMAR REVIEW (Full course).
3 hours. *Professor Romer and Staff*

Texts: Sonet-Shortliffe, *A Review of French Grammar;* Demarest-Shaw, *French Civilization through fiction* (Ginn); Roy, *La petite poule d'eau* (ed. Torrens—Clarke-Irwin).

120. Advanced. *Open only to First year students in any degree course who have obtained at least 80% in their Junior School Certificate or High School Leaving Certificate, and who take and pass an admission test set by the Department at the beginning of the Fall term.*

(N.B.: *Students who fail to pass this test will automatically be transferred to French 100* or *French 110.*)

SURVEY OF FRENCH CIVILIZATION AND LITERATURE OF THE XVIIITH AND XIXTH CENTURIES; COMPOSITION AND GRAMMAR REVIEW (Full course).
3 hours. *Professor Larivière and Staff.*

Texts: Lévèque, *Histoire de la civilisation française* (Revised edition) (Holt); Daudon, *French in Review* (Harcourt, Brace); Husson, *La cuisine des anges* (Harper); Saint-Exupéry, *Vol de Nuit* (Harper).

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SECOND YEAR COURSES

210. INTRODUCTION TO FRENCH LITERATURE FROM THE MIDDLE-AGES TO THE XVIIITH CENTURY THROUGH THE READING OF REPRESENTATIVE MAJOR WORKS. French composition (Full course).

3 hours. *Professor Champigneul and Staff*

Prerequisite: French 13 or *French 110 or the equivalent.*

Texts: McGill University French Staff, *Précis de littérature française* (McGill Bookstore); *La Farce de Maître Pathelin;* Molière, *l'Avare;* Voltaire, *Zadig* (all in Petits Classiques Larousse); Balzac, *Le Père Goriot* (Garnier); Sartre, *Les mains sales* (Livre de poche); Whitmarsh-Jukes, *Advanced French Course* (Longmans).

Readings: Molière, *Le bourgeois gentilhomme* or *Les précieuses ridicules;* Flaubert, *Trois contes* (all in Petits Classiques Larousse).

220. SURVEY OF FRENCH LITERATURE FROM THE MIDDLE-AGES TO THE XVIIITH CENTURY. French composition (Full course).

3 hours. *Professor Reverchon and Staff*

Prerequisite: French 11 or *French 120*, or permission of the Instructor.

Texts: Castex and Surer, *Manuel des Etudes littéraires françaises, Vol. 1 (Moyen-Age, XVIe et XVIIe siècles)* (Hachette); Bradley-Michell, *Eight Centuries of French literature* (Appleton-Century-Crofts); Molière, *L'Avare* (Classiques France, Hachette); Racine, *Andromaque* (Classiques France, Hachette); Whitmarsh-Jukes, *Advanced French Course* (Longmans).

THIRD YEAR COURSES

300. FRENCH LITERATURE OF THE XVIITH CENTURY (Full course).

3 hours. *Professor Larivière*

Prerequisite: Any Second year French course.

Texts: Castex and Surer, *Manuel des Etudes littéraires françaises: XVIIe siècle* (Hachette); Peyre and Grant, *Seventeenth Century French Prose and Poetry* (Heath); Seronde and Peyre, *Nine Classic French Plays* (Heath).

Readings: Corneille, *Le Cid* and *Horace;* Racine, *Andromaque* and *Phèdre;* Molière, *L'Ecole des Femmes* and *Tartuffe;* Pascal, *Pensées;* Bossuet, *Oraison Funèbre d'Henriette d'Angleterre;* Mme de Sévigné, *Lettres choisies;* La Fontaine, *Fables choisies;* Mme de La Fayette, *La Princesse de Clèves.*

310. FRENCH LITERATURE OF THE XVIIITH CENTURY (Full course).

3 hours. *Professor Reverchon*

Prerequisite: Any Second year French course.

Texts: Castex and Surer, *Manuel des Etudes littéraires françaises:* XVIIIe *Siècle* (Hachette); A. Schinz, *Eighteenth Century French Readings* (Holt); Marivaux, *Le jeu de l'amour et du hasard* (Heath); Voltaire, *Candide* (Holt); Beaumarchais, *Le Barbier de Séville* (Holt).

Readings: Lesage, *Gil Blas* (Extraits); Montesquieu, *Les Lettres persanes;* Voltaire, *Les Lettres philosophiques;* Diderot, *Le Neveu de Rameau;* Beaumarchais, *Le Mariage de Figaro;* Rousseau, *Confessions* (Extraits).

330. THE LITERATURE OF FRENCH-CANADA FROM ITS ORIGIN TO THE PRESENT DAY (Full course).

3 hours. *Dr. Deschamps*

Prerequisite: Any Second year French course. (Fourth year B.A. students wishing to take this course must obtain permission of the Instructor.)

Texts: Ph.A. de Gaspé, *Les Anciens Canadiens* (Beauchemin); Hémon, *Maria Chapdelaine* (Hachette); Ringuet, *Trente Arpents* (Le Nénuphar); Lemelin, *Au pied de la pente douce* (Institut Littéraire, Québec); Locqwell, *Les Elus que vous êtes* (Institut Littéraire, Québec); Giroux, *Au-delà des visages* (Institut Littéraire, Québec); Roy, *La petite poule d'eau* (Beauchemin); Anne Hébert, *Poèmes* (Ed. du Seuil); Saint-Denys Garneau, *Regards et Jeux dans l'espace* (Fidès).

Reference: Tougas, *Histoire de la littérature Canadienne-Française* (Presses Universitaires de France).

FOURTH YEAR COURSES

400. FRENCH LITERATURE OF THE XIXTH CENTURY (Full course).

3 hours. *Dr. Jones*

Prerequisite: French 31 (or *300*) or *French 32* (or *310*) or *French 330.*

Texts: Penguin Book of 19th Century French verse; Musset, *Lorenzaccio* (Petits Classiques Larousse); Balzac, *Le Père Goriot* (Nelson); Flaubert, *Madame Bovary* (Garnier); Zola, *Germinal* (Livres de poche); Gide, *La Porte Etroite* (Mercure de France); Castex-Surer, *Manuel des Etudes littéraires françaises: XIXe siècle* (Hachette).

410. FRENCH LITERATURE OF THE XXTH CENTURY (Full course).

3 hours. *Professor Larivière*

Prerequisite: French 31 (or *300*) or *French 32* (*or* 310) or *French 330.*

(*Given in 1962-63.*)

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440. MODERN FRANCE—GEOGRAPHICAL OUTLINE—POLITICAL, SOCIAL, AND ECONOMIC ASPECTS OF FRENCH LIFE, SINCE 1870 (Full course). (*Open to Third year students* with permission of the Instructor).

3 hours. *Professor Launay*

Prerequisite: Completion of at least two Junior French courses, with Second Class standing, and an ability to take notes in French.

NORMAL CONTINUATION IN FRENCH FOR B.A. STUDENTS

Second year: *210* or *220*
Third year: *300* or *310* or *330*
Fourth year: *400* or *410* or *440*

A Third year student wishing to take a Fourth year course, or a Fourth year student wishing to take a Third year course for the purpose of continuation cannot do so without the consent of the Chairman of the Department.

HONOURS COURSES

Honours courses are open to B.A. students who seriously desire to specialize in French language and literature. General B.A. degree students who have shown special interest and ability in general courses may be admitted to them with the consent of the Chairman of the Department. In any case all students planning to take one or more Honours courses in French should, *prior to Registration*, consult the Chairman of the Department, without whose consent they cannot take such courses.

SECOND YEAR COURSES

250. THE FRENCH COMEDY AS ILLUSTRATED BY MOLIÈRE, MARIVAUX, BEAUMARCHAIS, AND MUSSET; READINGS IN THE CONTEMPORARY FRENCH NOVEL; FREE COMPOSITION, ORAL AND WRITTEN, ON LITERARY SUBJECTS (Full course).

3 hours. *Professor Rabolin*

THIRD YEAR COURSES

350. THE FRENCH NOVEL FROM 1600 TO 1914 (Full course).

3 hours. *Professor Launay*

370. FRENCH STYLISTICS (intellectual and affective elements of speech, with special reference to synonymy; psychological, historical and social background of words and phrases; structural analysis of literary patterns in French prose) (Full course).

3 hours. *Dr. Mentha*

FOURTH YEAR COURSES

450. FRENCH LYRICAL POETRY FROM THE MIDDLE AGES TO THE PRESENT DAY (Full course).

3 hours. *Professor Larivière*

475. EVOLUTION AND STRUCTURE OF THE FRENCH LANGUAGE (Half course).

2 hours throughout the Session. *Professor Rigault*

485. THE PHONETICS OF FRENCH (Half course).

1 Lecture and 1 Laboratory period per week throughout the Session.

Professor Rigault

NORMAL SEQUENCE OF FRENCH HONOURS COURSES FOR B.A. STUDENTS

Second year	French 210 *or* French 220
and	French 250
Third year	French 300 *or* 310
and	French 350
and	French 370
Fourth year	French 400 *or* 410 *or* 440
and	French 450
and	French 475
and	French 485

COGNATE COURSES

Cognate courses will be recommended by the Chairman of the Department when students are interviewed prior to Registration.

Honours Students contemplating graduate work and/or a teaching career, are strongly advised to pursue the study of a second Romance Language for at least two years of their undergraduate degree course. They will also find courses in English, History, Latin and Philosophy particularly useful.

JOINT HONOURS COURSES

B.A. students may combine Honours in French with Honours in any one of the following subjects:

English
German
Latin
Philosophy
Spanish

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1. Joint Honours in English and French

See under Department of English.

2. Joint Honours in French and German

First year: French 100 or 120 (or the equivalent) — German 100 (or its equivalent) and 3 other courses including Latin 100

Second year: 2 French courses: 210 or 220; and 250
2 German courses chosen from 210, 300, 310
1 approved course

Third year: 3 French courses: 300 or 310; 350 and 370
2 full German courses chosen from: 310, 320, 330, 400, 410, 420, 430, 440.

Fourth year: 2½ French courses: 400 or 410 or 440; 450 and 485
2 full German courses chosen from: 320, 330, 400, 410, 420, 430, 440

3. Joint Honours in French and Latin

First year: French 100 or 120 (or the equivalent)
Latin 100 (or the equivalent)
3 other courses

Second year: 2 French courses: 210 or 220, and 250
2 Latin courses: 221 and 222
1 other approved course

Third year: 3 French courses: 300 or 310; 350 and 370
2 Latin courses: 331 and 332
1 other approved course, if so recommended

Fourth year: 2½ French courses: 400 or 410 or 440, 450 and 485
2 Latin courses: 441 and 442
1 other approved course, if so recommended

4. Joint Honours in French and Philosophy

First year: French 100 or 120 (or the equivalent)
4 other courses including Latin 100

Second year: 2 French courses: 210 or 220, and 250
2 Philosophy courses: 200 and 300
1 other approved course

Third year: 3 French courses: 300 or 310; 350 and 370
2 Philosophy courses: 350 and 360

Fourth year: 2½ French courses: 400 or 410 or 440; 450 and 485
2 Philosophy courses: 400 and 420, or 410 and 440

5. Joint Honours in French and Spanish

First year: French 100 or 120 (or the equivalent)
Spanish 100 or 150 (or the equivalent)
3 other courses, including one in Latin

Second year: 2 French courses: 210 or 220; and 250
2 Spanish courses: 200 *or* 300; *and* 250
1 other approved course

Third year: 3 French courses: 300 or 310; 350 and 370
2 Spanish courses: 300 or 310 or 340; and 350

Fourth year: 2½ French courses: 400 or 410 or 440; 450 and 485
3 Spanish courses: 400 or 420; 430 and 450

The joint Honours programmes are not absolutely rigid and the Language Departments concerned may require a student either to take one extra course to make up for a linguistic deficiency, or to take a more advanced course than the one scheduled for his year if his fluency in any of the foreign languages concerned is better than average. Native French speakers may be required to take French 475 in lieu of French 485.

M.A. COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

ITALIAN

Two sets of courses are offered in Italian literature:

(a) *Courses given in Italian* (Courses 300 and 400): Intended for B.A. students taking Italian as a continuation subject. Italian 11 and 21 (or their equivalent) will be prerequisite for these courses.

(b) *Courses given in English* (Courses 375 and 385): These are open to all students, and do not require a knowledge of the Italian language.

100. FIRST YEAR (Full course). Grammar, reading, oral exercises, and composition.

3 hours. *Professor D'Andrea and Miss Stewar.*

Texts: Roncari & Brighenti, *La Lingua Italiana insegnata agli stranieri* (Mondadori); *Pinocchio* (Heath); *Mondadori's Pocket Italian Dictionary.*

200. SECOND YEAR. (Full course.) Grammar, free composition, conversation. A survey of Italian literature from the origins to Manzoni.

3 hours. *Professor D'Andrea and Miss Stewart*

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Texts: Roncari & Brighenti, *La Lingua Italiana insegnata agli stranieri* (Mondadori); Bormioli & Pellegrinetti, *Letture Italiane per Stranieri*, vol. I (Mondadori); A. Momigliano, *Storia della Letteratura Italiana* (Principato); M. Soldati, *Il Vero Silvestri* (Garzanti); Pirandello, *Enrico IV*, *Sei Personaggi in cerca di Autore* (Mondadori); *Mondadori's Pocket Italian Dictionary.*

300. THIRD YEAR—MANZONI AND THE ITALIAN LITERATURE OF THE "RISORGIMENTO." (Full course.) Italian conversation, composition and elementary stylistics.

3 hours. *Professor D'Andrea*

Texts: A. Momigliano, *Storia della Letteratura Italiana* (Principato); F. Landogna, *Storia d'Italia* (Cappelli); A. Momigliano, *Antologia della Letteratura Italiana*, vol III (Principato); S. Pellico, *Le Mie Prigioni* (Rizzoli); A. Manzoni, *I Promessi Sposi* (Sansoni); A. Fogazzaro, *Piccolo Mondo Antico* (Mondadori); Migliorini & Chiappelli, *Elementi di Stilistica* (Le Monnier); *Il Piccolo Palazzi* (Ceschina & Principato).

400. FOURTH YEAR—CIVILIZATION AND LITERATURE OF CONTEMPORARY ITALY. (Full course.) Italian composition and stylistics.

3 hours. *Professor D'Andrea*

Texts: A. Momigliano, *Storia della Letteratura Italiana* (Principato); F. Landogna, *Storia d'Italia* (Cappelli); A. Momigliano, *Antologia della Letteratura Italiana*, vol. III (Principato); G. Verga, *I Malavoglia* (Mondadori); G. Tomasi di Lampedusa, *Il Gattopardo* (Feltrinelli); C. Levi, *Cristo si è fermato a Eboli* (Einaudi); Migliorini & Chiappelli, *Elementi di Stilistica* (Le Monnier); *Il Piccolo Polazzi* (Ceschina & Principato).

375. ITALIAN LITERATURE: DANTE AND THE MIDDLE AGES (Half course). *Lectures will be given in English. Students are not required to take language courses as prerequisites.*

First term: 3 hours. *Professor D'Andrea*

Texts: The Portable Dante (The Viking Press); *The Inferno, The Purgatorio and The Paradiso* (Dent); J. H. Whitfield, *A Short History of Italian Literature* (Penguin Books).

Reference: H. O. Taylor, *The Medieval Mind* (Macmillan); C. S. Lewis, *The Allegory of Love* (Oxford); M. Valency, *In Praise of Love* (Macmillan); B. Croce, *The Poetry of Dante* (Allen & Unwin); U. Cosmo, *A Handbook to Dante Studies* (Oxford).

385. ITALIAN LITERATURE: THE RENAISSANCE AND MACHIAVELLI (Half course). *Lectures will be given in English. Students are not required to take language courses as prerequisites.*

Second term: 3 hours. *Professor D'Andrea*

Texts: Machiavelli, *The Prince and Other Works*, trans. by A. H. Gilbert (Farrar, Straus); Petrarca, *Sonnets and Songs* (Pantheon); Boccaccio, *The Decameron* (The Modern Library); J. H. Whitfield, *A Short History of Italian Literature* (Penguin Books).

Reference: The Renaissance Philosophy of Man (*Petrarca, Valla, Ficino, Vico, Pomponazzi, Vives*), edited by Cassirer, Kristeller and Randall (Univ. of Chicago Press); W. K. Ferguson, *The Renaissance in Historical Thought* (Houghton Miffin); L. Einstein, *The Italian Renaissance in England* (Columbia University Press); F. Chabod, *Machiavelli and the Renaissance* (Bowes & Bowes); M. Praz, *Machiavelli in England* (Milford).

Italian 375 and *385* may be taken separately or in combination. If taken in combination, they offer an opportunity to study such major writers as Dante, Petrarca, Boccaccio and Machiavelli. Special emphasis will be placed on the cultural contacts of England and Italy during the Middle Ages and the Renaissance.

SPANISH

Students who take Spanish in order to fulfil the Modern Language requirement for the B.A. degree must take Spanish 100 and Spanish 200 over two separate years. By the Second year, the class is conducted entirely in Spanish. Both oral and written examinations are held on each year's work.

100. FIRST YEAR (Full course). A survey of Spanish grammar. Reading and dictation. Elementary phonetics, Composition. Readings from Spanish and Spanish American authors. Conversation.

3 hours. *Professor Henry and Staff*

Texts: Walsh, *Introductory Spanish* (Norton); Méras and Roth, *Pequeño Vocabulario* (Harrap); Harrop, *Notes on Spanish Pronunciation;* José López Rubio, *La otra orilla* (Appleton-Century-Crofts); Timms, *Poco a poco* (University of London); Eoff and King, *Spanish American Short Stories* (Macmillan).

150. SPANISH (Full course). Spanish grammar and composition. Drill in aural comprehension and Spanish speech patterns. Reading and dictation. Phonetics. Introduction to Spanish literature 1850-1898.

3 hours lectures, 3 hours practice.

Professor Harvey and Dr. Ruiz-Fornells

Texts: Timms, *A First Spanish Book* (Longmans); Ugarte, *Gramática de repaso* (Odyssey); Méras and Roth, *Pequeño vocabulario* (Harrop); Timms, *Poco a poco* (U. of London); Timms, *A First Spanish Reader for Adults* (U. of London); Marín, *La vida española* (Appleton-Century-Crofts); Harrop, *Spanish Graded Comprehension Pieces* and *Notes on*

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Spanish Pronunciation; O'Connor and Haden, *Oral Drill in Spanish* (H.M.Co.); Castillo and Sparkman, *Graded Spanish Readers I-V* (Heath); Alarcón, *El sombrero de tres picos* (Ginn); Palacio Valdés, *José* (Heath).

Reference book: Tarr and Centeno, *A Graded Spanish Review Grammar* (Crofts).

NOTE: Spanish 150 is an *accelerated* course combining approximately the work of the regular *Spanish 100 and 200 courses.* It is designed especially for, and open only to, those First year students who plan to specialize in Spanish and who wish to acquire in one year some fluency and the ability to study literature. A successful completion of this course will enable the student to enter either Spanish 250 or Spanish 300. Spanish 150 carries credit for one course only. Students who do not progress satisfactorily in the first month will on the Instructor's recommendation, automatically revert to Spanish 11.

200. SECOND YEAR (Full course). Spanish literature 1850-1898. Review of grammar. Free composition. Intermediate phonetics and conversation. 3 hours. *Professor Stegen and Staff*

Texts: Tarr and Centeno, *A Graded Spanish Review Grammar and Composition,* Sections I and III (Crofts); Harrop, *Notes on Spanish Pronunciation;* Marín, *La vida española* (Appleton); Lentz, *A Spanish Vocabulary* (Blackie); Alarcón, *El sombrero de tres picos* (Ginn); Edited by Wilkins, *An Omnibus of Modern Spanish Prose* (Odyssey).

230. INTRODUCTION TO SPANISH AMERICAN LITERATURE FROM THE END OF COLONIALISM TO THE PRESENT DAY (Full course). 3 hours. *Professor Harrop*

Texts: Rogers, *Escritores contemporáneos de México* (H.M.Co.); L. R. de Jijena Sánchez, *Poesía popular y tradicional americana* (Austral); Turk and Brady, *Cuentos y comedias de América* (H.M.Co.); Eduardo Barrios, *El niño que enloqueció de amor* (Contemporánea); Rómulo Gallegos, *Cantaclaro* (Austral); Blest Gana, *Martín Rivas* (Heath); Quiroga, *Cuentos de la selva* (Contemporánea); Nalé Roxlo, *El pacto de Cristina* (Contemporánea); Uslar-Petri, *Las lanzas coloradas* (Contemporánea); Usigli, *Corona de sombra* (Appleton-Century-Crofts); Teresa de la Parra, *Memorias de Mamá Blanca* (Paz, México); Lamothe, *Los mayores poetas latinoamericanos de 1850 a 1950* (1959).

Reference book: Anderson-Imbert, *Historia de la literatura hispanoamericana* (Cultura Económica).

300. THIRD YEAR (Full course). Spanish literature 1800-1898. Free and set composition. Translation. Advanced phonetics and conversation. 3 hours. *Professor Harvey*

Texts: Tarr and Centeno, *A Graded Spanish Review Grammar and Composition*, Section II (Crofts); Harrop, *Spanish Graded Comprehension Pieces;* Foster, *Spanish Composition* (Norton); Sánchez, *Nineteenth-Century, Spanish Verse*, Sections I, II, and III (Appleton); Palacio Valdés, *Marta y María* (Austral); *Escritores costumbristas* (Ebro); Fernán Caballero, *La gaviota* (Austral); Zorilla, *Don Juan Tenorio* (Austral); Harrop, *Notes on Spanish Pronunciation;* Pérez Galdós, *Trafalgar* (Contemporánea); Pérez Galdós, *El amigo Manso* (Contemporánea); Valera, *El comendador Mendoza* (Sopena); Pereda, *Peñas arriba* (Sopena); Pardo Bazán, *Los pazos de Ulloa*; Blasco Ibáñez, *Cañas y barro* (Austral).

Reference books: Torri, *La literatura española* (Cultura Económica); Gili Gaya, *Diccionario de sinónimos* (Spes); Ramsay (revised Spaulding), *A Textbook of Modern Spanish* (Holt).

310. SPANISH LITERATURE. Third year (Full course). Some representative great works from 1500 to the present day.

3 hours. *Professor Harrop*

Texts: Ed. by Bergua, *Las mil mejores poesías de la lengua castellana* (Biblioteca de Bolsillo); Ed. by A. Malo, Cervantes, *Don Quijote de la Mancha* (Ebro); Tirso de Molina, *El burlador de Sevilla* (Sopena); Calderón, *El alcalde de Zalamea* (Sopena); Pérez Galdós, *Doña Perfecta* (Contemporánea); Valera, *Juanita la larga* (Sopena); García Lorca, *Bodas de sangre; Libro de poemas; La casa de Bernarda Alba* (Contemporánea); Romancero (Bib. Lit. del Estudiante); Anónimo, *El Lazarillo de Tormes* (Ebro); Pereda, *Sotileza* (Sopena); Benavente, *Rosas de otoño* (Austral); Laforet, *Nada* (Áncora).

Reference book: Torri, *La literatura española* (Cultura Económica).

340. SPANISH CIVILIZATION. (Full course). Cultural outline of Spain from 1492 to the present day, with a brief account of the antecedents. Geography, history, literature, painting, sculpture and music. Spain's contribution to the New World.

3 hours. *Dr. Ruiz-Fornells*

Texts: Pemán, *La historia de España contada con sencillez* (Escelicer); Gaya Nuño, *Historia del arte español* (Plus Ultra); Blecua, *Historia y textos de la literatura española* (Aula); Pahissa, *Sendas y cumbres de la música española* (Hachette); Picazo, *El folklore español* (Hirschfeld); Azorín, *El paisaje de España visto por les españoles* (Austral); Wasserman, *Cristóbal Colón, el Quijote del océano* (Losada); Unamuno, *Andanzas y visiones españolas* (Austral); Kirkpatrick, *Los conquistadores españoles* (Austral); Menéndez Pidal, *Castilla* (Austral); Marañón, *El Conde-Duque de Olivares* (Austral); Vossler, *Algunos caracteres de la cultura española* (Austral).

Reference book: Ballesteros Beretta, *Historia de España* (Salvat).

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400. FOURTH YEAR (Full course). The Golden Age of Spanish literature. Twentieth century literature in Spain. Free composition. Practice in phonetic transcription. Conversation.

3 hours. *Professor Harrop*

Texts: Unamuno, *Tres novelas ejemplares y un prólogo* (Austral); Sánchez, *Nineteenth-Century Spanish Verse*, Sections IV and V (Appleton); Harrop, *Spanish Graded Comprehension Pieces;* Calderón, *La vida es sueño* (Sopena); Lope de Vega, *Fuenteovejuna* (Sopena); Ed. by A. Malo, Cervantes, *Don Quijote* (Ebro); M. de Maeztu, *Antología siglo XX* (Austral); Valle-Inclán, *Sonatas* (Austral); R. Pérez de Ayala, *Tigre Juan* (Austral); R. Pérez de Ayala, *El curandero de su honra* (Austral); R. Menéndez Pidal, *Flor nueva de romances viejos* (Austral); *La novela picaresca* (Bib. Lit. del Estudiante); García Lorca, *Yerma* (Contemporánea); Pío Baroja, *El mayorazgo de Labraz* (Austral); Cela, *La familia de Pascual Duarte* (Appleton); Harrop, *Notes on Spanish Pronunciation;* Cohen, *The Penguin Book of Spanish Verse* (Penguin); Harrop, *Spanish Phonetic Reader.*

Reference books: Ramsay (revised Spaulding), *A Textbook of Modern Spanish* (Holt); Gili Gaya, *Diccionario de sinónimos* (Spes); Torri, *La literatura española* (Cultura Económica).

420. CERVANTES (Full course). A detailed study of the complete *Don Quijote, the Novelas ejemplares, the Entremeses* and other theatrical works, the poetry and the pastoral novel. Some account of the outstanding critical work on Cervantes.

3 hours. *Professor Harrop*

Texts: Cervantes, *Don Quijote de la Mancha* (Clásicos castellanos); Cervantes, *Novelas ejemplares* (Clásicos castellanos); Cervantes, *Persiles y sigismunda* (Ebro); Cervantes, *El cerco de Numancia* y *El gallardo español* (Austral); Cervantes, *Entremeses y poesías* (Sopena); Madariaga, *Guía del lector del Quijote* (Madrid, 1926.)

430. SPANISH-AMERICAN LITERATURE. Fourth year (Open also to Third year students of Spanish) (Full course).

3 hours. *Dr. Ruiz-Fornells*

Texts: Torres-Ríoseco, *Antología de la literatura hispanoamericana* (Crofts); Güiraldes, *Don Segundo Sombra* (Contemporánea); Ciro Alegría, *El mundo es ancho y ajeno* (Crofts); Gallegos, *Doña Bárbara* (Austral); Ricardo Palma, *Tradiciones peruanas* (No. 52 Austral); Walsh, *Seis relatos americanos* (Norton); Teresa de la Parra; *Ifigenia* (Ed. "Las Novedades", Caracas); Reyles, *El embrujo de Sevilla* (Austral); Jorge

Isaacs, *María* (Sopena); Florencio Sánchez, *Teatro*, Vol. 1 (Sopena); Rivera, *La vorágine* (Zig-Zag); *Teatro hispanoamericano* (Odyssey); Azuela, *Los de abajo* (Cultura Económica); Coester, *Anthology of the Modernista Movement in Spanish America.*

Reference books: Anderson-Imbert, *Historia de la literatura hispanoamericana* (Cultura Económica); Malaret, *Diccionario de americanismos* (Emecé); Anderson-Imbert, *Literatura hispanoamericana* (Holt, Rinehart and Winston).

HONOURS COURSES

With the consent of the Department Honours Courses may be taken by general students.

250. INTRODUCTORY HONOURS COURSE. Second year (Full course).
3 hours. *Professor Harrop*

(a) The Spanish theatre since 1900.

(b) Readings in the contemporary Spanish novel. Modern poetry.

(c) Free composition and set translations on literary subjects.

Professor Harrop

Texts: Laín Entralgo, *Ejercicios de comprehensión* (Col. Ser y Tiempo); Benavente, *La Malquerida* and *La noche del sábado* (Austral); Benavente, *La comida de las fieras* and *Al natural* (Austral); Alvarez Quintero, *Malvaloca* and *Doña Clarines* (Austral); Martínez Sierra, *Canción de cuna* (Austral); García Lorca, *La zapatera prodigiosa* (Contemporánea); García Lorca, *Mariana Pineda* (Harrap); Casona, *Teatro* (Losada); Ed. by Cardona, *Novelistas españoles de hoy* (Norton); Zunzunegui, *Esta oscura desbandada* (Literaria); Galvarriato, *Cinco sombras* (Ancora); Delibes, *La sombra del ciprés es alargada* (Ancora); Harrop, *Spanish Graded Comprehension Pieces;* Cano, *Poesía española del siglo XX* (1960).

Reference books: Gili Gaya, Diccionario de sinónimos (Spes); Ramsay (revised Spaulding), *A Textbook of Modern Spanish* (Holt).

With the consent of the Department this course may be taken by general students instead of, or in addition to, Spanish 21.

350. SPANISH LITERATURE FROM ITS BEGINNINGS TO THE GOLDEN AGE—HISTORY OF THE SPANISH LANGUAGE. Third year (Full course).

Professor Harvey

Texts: López Estrada, *Introducción a la literatura medieval española* (Gredos); Anónimo, *El poema del Cid* (Ebro); Don Juan Manuel, *El Conde Lucanor* (Ebro); Ed. by González Simón, *Poesía medieval* (B.L. del E.); G. de Berceo, *Milagros de Nuestra Señora* (Ebro); Arcipreste de Hita,

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Libro de buen amor (Ebro); Fernando de Rojas, *La Celestina* (Austral); Ed. by Le Strange, *Spanish Ballads* (Cambridge); Ed. by Juliá Martínez, *Piezas teatrales cortas* (B.L. de E.); Juan de la Encina, *Plácida y Victoriano* (Ebro); Lapesa, *Historia de la lengua expañola* (Escelicer).

(*To be given in 1962-63.*)

450. SPANISH DRAMA OF THE 19TH AND 20TH CENTURIES. Fourth year (Open also to Third year students of Spanish) (Full course).

3 hours. *Professor Harrop*

Texts: Bonavente, *Los intereses creados* and *Señora ama* (Austral); Benevente, *La fuerza bruta* and *Lo cursi* (Austral); Alvarez Quintero, *Puebla de la mujeres* and *El genio alegre* (Austral); Brett, *Nineteenth Century Spanish Plays* (Appleton); García Lorca, *Doña Rosita la soltera;* García Lorca, *Bodas de sangre* (Contemporánea); Casona, *Nuestra Natacha* (Appleton-Century); Buero Vallejo, *En la ardiente oscuridad* (Alfil); Unamuno, *El otro* and *El hermano Juan* (Austral); Grau, *El burlador que no se burla,* etc. (Contemporánea); Martínez Sierra, *Canción de cuna,* etc. (Crisol); Ed. by Sainz de Robles, *Teatro español,* 1954-1955 (Aguilar); Ed. by Díaz-Plaja, *Teatro español de hoy* (Alfil).

Reference book: Valbuena Prat, *Historia del teatro español* (Noguer).

(*To be given in 1962-62.*)

JOINT HONOURS

French and Spanish: *See under Department of Romance Languages, French Section,* p. 1161.

German and Spanish: *See under Department of German and Russian,* p. 1102.

Latin and Spanish: *See under Department of Classics, Latin Section,* p. 1054.

SPANISH COURSES, GENERAL

Recommended Reference Books: Cuyas and Llano, *New Spanish Dictionary* (Appleton); *Pequeño Larousse Ilustrado* (Larousse); Díez Mateo, *Diccionario español etimológico del siglo XX* (Academo); Navarro Tomás, *Manual de pronunciación española* (Rev. de Filología Esp.); Angel del Río, *Historia de la literatura española* (Dryden); Torres-Ríoseco, *La literatura iberoamericano* (Emecé); Romera-Navarro, *Historia de la literatura española* (Heath); Academia Española, *Gramática de la lengua española* (Espasa-Calpe); Ramsay (revised Spaulding), *A Textbook of Modern Spanish* (Holt).

SOCIOLOGY AND ANTHROPOLOGY

Professor	WILLIAM A. WESTLEY, *Chairman*
Associate Professor	AILEEN D. ROSS
Assistant Professors	RAYMOND BRETON RONALD COHEN FREDERICK ELKIN JACOB FRIED HOWARD ROSEBOROUGH DAVID N. SOLOMON TOSHIO YATSUSHIRO
Lecturer	SILVIA LAMB
Research Assistants	ROSALYND BAYLIN GILBERT CHOISNET

SOCIOLOGY

210. INTRODUCTION TO SOCIOLOGY. Second year. (Full course.) A general introduction to sociological theory and the analysis of groups in modern society. The course covers comparative cultures, the social development of the individual, ethnic and class groupings, characteristics of urban life, social change, and institutional structures.

3 hours.

The Introductory Course is divided into lecture sections which are essentially the same. Students will indicate on their registration forms whether they are registering for 210X or 210Y.

Either Sociology 210 or Anthropology 220 is prerequisite to all other courses in Sociology or Anthropology.

210X. INTRODUCTION TO SOCIOLOGY. *Professor Roseborough*

210Y. INTRODUCTION TO SOCIOLOGY. *Professor Westley*

301. ANALYSIS OF INDUSTRIAL SOCIETIES. Third year. (Full course.) Comparative treatment of the social systems of such modern industrial societies as the United States, Soviet Russia, England, Japan, and Canada. Categories of analysis include kinship, occupation, property, stratification, the organization of authority and major values.

3 hours. *Professor Roseborough*

302. MINORITY GROUPS AND THE COMMUNITY. Third year. (Full course.) The rise of modern urbanism; patterns and theories of urban growth; the participation of minority groups in urban institutions; the relation of minority groups to the class and caste structure; problems of upward

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and downward mobility; dominant group attitudes and ideologies concerning minority groups; the effect of minority group membership on the individual.

3 hours. *Professor Breton*

303. THE FAMILY AND SOCIALIZATION. Third year. (Full course.) The family will be studied as a primary group and as an institution. Attention will be given to trends in family organization, reactions to family crises, and the prediction of success and failure in marriage. Socialization will be studied from the perspective of social interaction. Attention will be given to theories of socialization; agencies such as the school, peer group, and mass media; and the varying patterns in social class, ethnic, and other societal sub-divisions.

3 hours. *Professors Westley and Elkin*

304. TECHNIQUES OF SOCIOLOGICAL RESEARCH. Third year. (Full course.) An introduction to the practical and theoretical problems of sociological research. Among the topics discussed are the formulation of research problems, the selection of samples, and the analysis and interpretation of data. Among the techniques are observation, interviewing, and questionnaire construction.

3 hours. *Professor Breton*

360a. CRIMINOLOGY. Third or Fourth year. (Half course.) Theories of crime; social systems and their punitive practices; types of crime in modern society; the relationships between social power, the law, and crime; the slum community; the police; political crimes.

3 hours. *Professor Westley*

(*Not given in 1961-62.*)

401. COLLECTIVE BEHAVIOUR AND MASS COMMUNICATIONS. Fourth year. (Full course.) The nature of mass society; crowds, fashions, and other elementary forms of collective behaviour; social movements; social control, content, and influence of the press, movies, television, and other media of mass communication.

3 hours. *Professor Elkin*

402. SOCIOLOGY OF WORK. Fourth year. (Full course.) Work will be considered from two points of view: (A) The professions and other specialized occupations: occupational choice and mobility; types of careers; problems of achieving conformity to occupational norms; professional and trade associations; self-involvement in an occupation. (B) Industrial and other work organizations: formal and informal organization; roles of managers,

executives, technical specialists, foremen, and workers; the concept and dynamics of bureaucracy; industry and society.

3 hours. *Professor Solomon*

403. THEORIES OF SOCIAL BEHAVIOUR. Fourth year. (Full course.) The first part of the course will focus on 19th and 20th century theories of the nature of society and the relationship between society and the individual. Special attention will be devoted to the development of systematic theory in sociology. The second part of the course will focus on sociological theories of personality with particular emphasis on the function of language and communication in social development.

3 hours. *Professors Elkin and Westley*

411b. SOCIAL STRATIFICATION. Fourth year. (Half course.) The theory of caste and class divisions in modern society; the structure of class groups in the United States and Canada; the criteria of rank and the symbols associated with rank; the relationship between occupation, education, and class position; problems of upward and downward mobility.

3 hours. *Professor Ross*

(*Not given in 1961-62.*)

440b. POPULATION AND MIGRATION. Fourth year. (Half course.) An examination of the population composition of selected societies, regions and communities. Attention is centered on techniques of population research and on the social determinants and consequences of population distribution and change.

3 hours. *Professor Roseborough*

(*Not given in 1961-62.*)

ANTHROPOLOGY

220. INTRODUCTION TO ANTHROPOLOGY. Second year. (Full course.) Historical relationship of race, language, and culture; culture history; analysis of cultural systems; culture and personality.

3 hours. *Professor Cohen*

Anthropology 220 or Sociology 210 is prerequisite to all other courses in either Anthropology or Sociology.

312. SURVEY OF PRIMITIVE AND NON-WESTERN CULTURES. Third or Fourth year. (Full course.) *First Term:* Examination and comparison of primitive cultures throughout the world with particular emphasis on their technologies and values and their familial, educational, economic, religious,

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and political systems. *Second Term:* Intensive ethnographic study of the native Japanese, Hindu, and Chinese cultures in Asia, and two representative cultures from East and West Africa.

3 hours. *Professor Yatsushiro*

313. HUMAN CULTURE: ITS GROWTH, SPREAD, AND CHANGE. Third or Fourth year. (Full course.) *First term:* The nature of human culture; its development and spread from prehistoric times to the rise of civilizations. *Second term:* Analysis of the process, determinants, and principles of culture change, based on an examination of selected non-Western cultures. Attention is given to the cultural reorganization resulting from social and technological innovations and from contact with Western civilization.

3 hours. *Professor Yatsushiro*

325b. THE CULTURE AND SOCIAL ORGANIZATION OF FRENCH CANADA. Third or Fourth year. (Half course.) The description and analysis of the culture and social organization of French Canadians in the Province of Quebec and of French-speaking groups in North America.

3 hours.

(*Not given in 1961-62.*)

412. SOCIAL AND CULTURAL ANTHROPOLOGY. Fourth year. (Full course.) *First term:* Historical review of theories in anthropology; analysis of the social organization of non-Western peoples and cultures. *Second Term:* The patterning and integration of culture; ethos and value systems.

3 hours. *Professor Cohen*

420a. CULTURE AND PERSONALITY. Third or Fourth year. (Half course.) The study of the cultural background of personality; the effects of socialization on personality formation in diverse types of cultures, primitive and modern; the relation of social structure and cultural values to personality dynamics.

3 hours. *Professor Cohen*

422b. PRIMITIVE ECONOMICS. Third or Fourth year. (Half course.) Analysis of the modes of production, exchange, and consumption of goods and services of selected non-Western societies; the relation of economics to

other aspects of culture; the values and motives underlying economic behaviour and the economic system.

3 hours, second term. *Professor Yatsushiro*

(*Given in 1961-62 and alternate years.*)

426b. PRIMITIVE RELIGION. Third or Fourth year. (Half course.) The study of religious beliefs and practices in primitive and non-Western cultures, with special reference to the relationship of religion to economic, political, stratificational, and other aspects of cultural life. Magic, witchcraft, divination, shamanism, totemism, animism, animatism, ancestor worship, and other related topics are discussed.

3 hours, second term. *Professor Yatsushiro*

(*Given in 1962-63 and alternate years.*)

HONOURS SEQUENCES IN SOCIOLOGY AND ANTHROPOLOGY

Sociology and Anthropology are regarded as one discipline for the Honours degree. Students may not honour solely in Anthropology or solely in Sociology.

Admission to Honours will normally take place at the beginning of the Third year and will be determined by the student's standing in Sociology or Anthropology and related subjects. A minimum of a good second class standing in Sociology 210 or Anthropology 220 and approval of the Department is required for acceptance into Honours. Prospective Honours students are advised to take both Sociology 210 and Anthropology 220

Honours students are required to take the following courses:

Third year:

Sociology 304 TECHNIQUES OF SOCIOLOGICAL RESEARCH

Anthropology 313 HUMAN CULTURE: ITS GROWTH, SPREAD AND CHANGE

Psychology 22a or b. PSYCHOLOGICAL STATISTICS

One and a half or two other approved courses, one of which must be in Sociology or Anthropology.

Fourth year:

Sociology 403 THEORIES OF SOCIAL BEHAVIOUR

Anthropology 412 SOCIAL AND CULTURAL ANTHROPOLOGY

Two other approved courses.

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JOINT HONOURS

Joint Honours with Political Science may be taken as follows:

(a) Anthropology and Political Science
Second year: Anthropology 220, Political Science 211H.

Third year: Anthropology 312, Sociology 304, Political Science 311, Political Science 323, Political Science 324a.

Fourth year: Anthropology 313, Anthropology 412, Political Science 411.

The programme may be modified in consultation with Departmental advisers.

(b) Economics and Sociology (see page 1065).

(c) Political Science and Sociology (see page 1065).

CONTINUATION SEQUENCES IN SOCIOLOGY AND ANTHROPOLOGY

Sociology and Anthropology are regarded as separate disciplines for continuation purposes. Students may continue in either Sociology or Anthropology; they may not continue in both. Third year students must choose courses from the following list:

Sociology: 301, 302, 303, 304.
Anthropology: 312, 313, 420a, 426b.

Fourth year students must choose courses from the following list:

Sociology: 401, 402, 403.
Anthropology: 312, 313, 412, 420a, 426b.

SOCIOLOGY

The following sequences are suggested for the General Arts students who have chosen Sociology for continuation:

Industrial Relations or Pre-professional: 210, 301, 402.
Community Organization: 210, 302, 401 or 402.
Social Psychology: 210, 303, 401 or 403.

ANTHROPOLOGY

The following sequences are suggested for General Arts students who have chosen Anthropology for continuation:

Culture or Institutions: 220, 313, 420a, 422b or 426b.
Ethnography: 220, 312, 412.

ZOOLOGY

Professors	JOHN STANLEY, *Chairman* N. J. BERRILL M. J. DUNBAR
Professor of Parasitology	T. W. M. CAMERON
Assistant Professors	JOAN MARSDEN M. GIBSON
Lecturers	_____ _____
Sessional Lecturer	A. CAMERON
Carpenter Teaching Fellow	_____

100a. & 100b. ELEMENTARY ZOOLOGY (Half course). This half course is given as three identical Sections, two in the Fall Term (Sections a-1, a-2), the other in the Spring (Section "b"). The student may elect any Section. If Zoology 100a is taken, Botany 100b *must* be taken in the Spring Term of the same Session. If Zoology 100b is taken Botany 100a *must* have been taken in the Fall Term of the same Session. A student may take only one Section of Zoology or Botany per term. A Section of Zoology and a Section of Botany must be taken in the same academic year.

Zoology 100a (or b) is an introductory course in Zoology, dealing with the anatomy, physiology, etc., of the vertebrate animals, with particular reference to the evolution of Man.

2 hours lectures and 2 hours laboratory per week in the chosen term.

Section a-1 — *Professor Berrill*

Section a-2 — *Professor* _____

Section b — *Professor Stanley*

Text: Storer and Usinger, *General Zoology* (McGraw-Hill).

Note: Zoology 100a (or b) together with Botany 100b (or a) really constitutes a course which might be called "Biology 100", and the student must take both halves of this in the one session, but in different terms. It is prerequisite to all other courses in Zoology.

211. THE INVERTEBRATE ANIMAL KINGDOM. (Full course.) A general introduction to the invertebrates, covering the structure, function, environmental relationships, economic importance and evolutionary significance of the main groups. This course is prerequisite to Zoology 324 and 325.

2 hours lecture and 3 hours laboratory. *Professor Berrill*

Prerequisite: Zoology 100a (or b) and Botany 100b (or a) or Biology 100.

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221. VERTEBRATE ZOOLOGY. (Full course.) The development, anatomy and evolution of vertebrate animals. Dissection of and skeletal studies on a series of representative vertebrates.

2 hours lectures and 3 hours laboratory. *Professor Marsden*

Prerequisite: Zoology 100a (or b) and Botany 100a (or b) or Biology 100.

Text: Walter and Sayles, *Biology of the Vertebrates* (Macmillan).

321. MAMMALIAN HISTOLOGY AND MORPHOLOGY. (Full course.) An introduction to the structure of mammalian cells, tissues and organs, together with the general anatomy of the mammal.

2 lectures and 3 hours laboratory *Professor Gibson*

Prerequisites: Zoology 221, except for students in Honours in a Biological Science, who may take Zoology 321 in B.Sc. 2.

NOTE: Students who took Zoology 221 in the session 1960-61 may register for the first term only of Zoology 321, and if successful, will be given credit for a half-course.

322a. EMBRYOLOGY. (Half course.) The analytical and experimental approach to animal morphogenesis. This course is complemental to Genetics 36b. When taken together, these two courses represent a full course on the problems of development and growth.

3 lectures per week. *Professor Berrill*

Prerequisite: Genetics 21.

324. ADVANCED INVERTEBRATE ZOOLOGY (EXCEPT ARTHROPODA). (Full course.) A study of the comparative anatomy, taxonomy, development, evolution, and economic importance of invertebrate animals other than the Phylum *Arthropoda.*

2 hours lectures and 3 hours laboratory. *Professor Stanley*

Prerequisite: Zoology 211.

Texts: Borradaille, Eastham, Potts and Saunders, *The Invertebrata,* 3rd edition (Cambridge); Pratt, *Manual of the Common Invertebrates* (MacMillan). A laboratory manual is issued by the Department.

(*Offered in alternate years. Offered in 1961-62.*)

325. THE ARTHROPODA. (Full course.) A study of the comparative anatomy, taxonomy, development, evolution, and economic importance of animals of the Phylum *Arthropoda.*

2 hours lecture and 3 hours laboratory. *Professor Stanley*

Prerequisite: Zoology 211.

Texts: Borradaille, Eastham, Potts and Saunders, *The Invertebrata,* 3rd edition (Cambridge); Pratt, *Manual of the Common Invertebrates* (MacMillan). A laboratory manual is issued by the Department.

(*Offered in alternate years. Not offered in 1961-62.*)

327. ORNITHOLOGY. (Full course.)

A comprehensive study of the Class Aves, with special reference to anatomy, breeding biology, ecology, ethology, and migration. Some field work will be undertaken.

2 hours lectures and 3 hours laboratory per week.

Prerequisite: Zoology 221.

(*Not offered in 1961-62.*)

332. ANIMAL ECOLOGY. (Full course.) A study of the inter-relations between animals, groups of animals, and their environments. The zoogeography of terrestrial, marine, and fresh-water populations; the analysis of the physical environment in all three divisions of the biosphere; migrations, emigrations, and other movements of animals, and the numerical behaviour of populations. Ecology and evolution.

3 hours. *Professor Dunbar*

Prerequisites: Zoology 211 or 221.

337b. HISTORY OF BIOLOGY. (Half course.) The history of biology from Thales to the present day including the development of scientific observation in anatomy, comparative morphology, ecology, embryology, and palaeontology. Theories of the relationships of animals, parts of animals, and of their evolution. Philosophical history of biology. Biological expeditions.

3 lectures per week, second term. *Professor Dunbar*

(*Offered in alternate years. Not offered in 1961-62.*)

Prerequisite: Zoology 100a (or b) and Botany 100b (or a).

341. ANIMAL BEHAVIOUR. (Full course.) The objective approach to the study of animal behaviour as exemplified in the science of Ethology. A summary of the results and importance of ethological research including its application to mankind, stressing the value of both descriptive and analytical work, and including studies of both invertebrates and vertebrates.

3 hours.

Prerequisite: Zoology 211 or 221, and if possible Zoology 332 (with permission the last-named may be taken concurrently).

(*Not offered in 1961-62.*)

343. LIMNOLOGY. (Half course.) A study of the fresh water environment and its organisms. The classification of inland waters, the physical, chemical and biological characteristics of lakes. Productivity of and evolutionary changes in lakes. Rivers, bogs, special types of lakes.

First term: 1 lecture per week with seminars and field trips. Second term: 1 lecture per week with field trips when possible. *Professor Marsden*

(*Not offered in 1961-62.*)

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345. PHYSIOLOGICAL ZOOLOGY. (Full course.) A study of the diverse mechanisms which have evolved in animals to carry on basic activities such as feeding, water balance, nitrogenous excretion, respiration, locomotion, stimulus reception, nervous and endocrine coordination. Behaviour patterns. Emphasis on nonmammalian animals.

3 lectures per week. Occasional demonstrations. *Professor Marsden*

Prerequisites: Zoology 211 or 221, and Physiology 22.

431. HISTOLOGICAL TECHNIQUE (PRACTICE AND THEORY). (Full course.) Training in the making of various types of histological preparations; discussion of the theories involved and interpretation of the results obtained.

1 hour lecture and 6 hours laboratory. *Professor Gibson*

Prerequisite: Zoology 321 (or 322a prior to 1960) (Second class standing).

435. APPLIED BIOMATHEMATICS. (Half course.) An elementary study of mathematical theories of growth and form, mathematics as applied to growth of populations, host-parasite relations, radio-active tracers, the steady state, contagious distributions, the theory of search.

2 lectures per week in the first term; one per week second term.
Professor Stanley

Prerequisite: Mathematics 224 (or a good working knowledge of the calculus) and any biology course.

441. ZOOLOGICAL RESEARCH. (*Honours* Zoology only, Fourth year.) Individual training in zoological research methods, fields of research, and introduction to field and laboratory projects. Thesis and seminar presentations.
The Staff

446. ADVANCED VERTEBRATE ZOOLOGY. (Full course.) A study of the present systematics of the vertebrate classes presented as a function of their past histories since the periods of their first appearance. The subject is approached from the ecological and anatomical points of view. Special attention is given to the mammals in the second part of the course.

Three hours lecture per week.
Professor Dunbar and Dr. Austin Cameron

Prerequisite: Zoology 221.

HONOURS COURSE IN ZOOLOGY

The succession of courses taken in Honours Zoology will normally be as follows, but this procedure may be varied in special cases by permission of the Department.

First year: As for General B.Sc., including Zoology 100a (or b) and Botany 100b (or a).

Second year: Zoology 211
Zoology 221
Chemistry 202
Genetics 21
Physiology 21

Third year: Zoology 321
Zoology 332
Zoology 431
Zoology 324 or 345 (whichever is given that year)
Biochemistry 31

Fourth year: Zoology 324 or 345 (whichever is given that year)
Zoology 325 or 446
Zoology 441
Genetics 44

Plus the equivalent of 1 whole course selected from the following: Zoology 337, 343, 435, 322a, Genetics 36b.

With permission, a free option may be taken in place of Zoology 325 or 446 (in B.Sc.IV), chosen from Botany, Genetics, Geology, German or Physiology, provided it is such that credit can be given for it in B.Sc.IV.

JOINT HONOURS IN ZOOLOGY AND MATHEMATICS.

This is a 5-year course designed to provide the initial training for work in such fields as population dynamics, certain aspects of epidemiology and demography, and for work with the mathematical aspects of growth and development, ecological studies, etc.

Applicants should have attained a mark of at least 65% in each course of the First year, and must maintain this standard in every course thereafter.

Application for entry should be made in the first instance to the Chairman of the Department of Zoology, but the approval of the Chairman of the Department of Mathematics is also required.

At the end of each academic year, the Chairmen of the two Departments concerned will review the student's progress, and determine his or her eligibility to proceed further. The Chairman will also attach each student to one of the two Departments, as seems best in each case, in terms of the student's particular interests.

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First year: Botany 100a (or b)
Zoology 100b (or a)
Chemistry 111
English 100
Mathematics 111
If sufficiently prepared, the student may substitute Mathematics 112 or 113 for Mathematics 111.
Physics 11

Second year: Chemistry 202
Mathematics 225, 226, 227
Zoology 211, 221

Third year: Genetics 21
Physiology 21
Mathematics 333, 334
Zoology 321

Fourth year: Biochemistry 31
Mathematics 345a, 343, 453b
Zoology 324 *or* 325
Zoology 332

Fifth year: Genetics 44
Mathematics 440a, 444
Zoology 324 or 325
Zoology 435, 441

Zoology 411 requires a small piece of research. This may be a biological problem amenable to mathematical analysis, or a mathematical problem bearing on some aspect of biology.

GENERAL HONOURS IN BIOLOGICAL SCIENCES

Attention is called to the "General Honours in Biological Sciences" (see page 1026).

CONTINUATION COURSES

Second year: Zoology 211, 221.

Third year: Zoology 211, 221, 322a, 324, 325, 332, 337b, 343, 446.

Fourth year: Zoology 324, 325, 332, 337b, 343, 431, 435, 446.

A student who has not completed Zoology 100a (or b) and Botany 100a (or b) or Biology 100 *must* obtain permission of the Department of Zoology before proceeding to more advanced courses in Zoology.

GRADUATE COURSES

See the Announcement of the Faculty of Graduate Studies and Research.

McGill University

Montreal

School of Commerce

Arthur Purvis Memorial Hall

1961-1962

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PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Institute of Education
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, and School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

School of Commerce

The School of Commerce is under the administrative jurisdiction of the Faculty of Arts and Science (McGill College).

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

D. L. Thomson, M.A., Ph.D., LL.D., F.R.S.C. — *Vice-Principal*

H. N. Fieldhouse, M.A., F.R.S.C., F.I.A.L. — *Dean of McGill College*

C. D. Solin, Ph.D. (Tor.), M.A. — *Assistant Dean of McGill College*

D. E. Armstrong, B.A., B.Com. (Alta.), Ph.D. — *Director of the School of Commerce*

John H. Holton, B.Com. (Tor.) — *Secretary of the Board of Governors*

G. A. Grimson, B.Com. — *Comptroller*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

B. COM. ADVISORY COMMITTEE

Professor D. E. Armstrong, *Chairman*

The Dean
Professor K. F. Byrd
Professor W. Westley
Professor F. K. Hare
Professor J. R. Mallory
Professor W. S. Reid
Professor Herbert Tate
Professor E. C. Webster
The Assistant Dean

A complete list of the teaching staff of the University, including the School of Commerce, is printed as a separate announcement, which may be obtained from the Registrar's Office.

SCHOOL OF COMMERCE OFFICE

ARTHUR PURVIS MEMORIAL HALL
1020 Pine Avenue West
Montreal 2

Telephones — VI. 4-6311

Office	— Local	450
Staff	— "	458
Accountancy	— "	445
Commerce Library	— "	452
Industrial Relations Centre	— "	294
Research	— "	258

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ADVISORY COUNCIL
FOR THE
SCHOOL OF COMMERCE

Dr. F. Cyril James, *Acting Chairman*

W. A. Arbuckle, *Arbuckle, Govett & Co.*

L. J. Belnap, *Chairman of the Board, Consolidated Paper Company*

Samuel Bronfman, *President, Distillers Corporation*

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J. B. White, *Vice-President, Aluminum Co. of Canada, Ltd.*

E. C. Wood, *President, Imperial Tobacco Co. of Canada*

Dr. D. E. Armstrong, *Director of the School of Commerce*

Dr. W. H. Pugsley, *Secretary*

School of Commerce

PRELIMINARY STATEMENT

The programme of the School of Commerce is designed to provide training for business and administrative careers in industry and the public service, and includes undergraduate training, graduate training, and extension activities for graduates and non-graduates. The programme is organized in several divisions, as follows:—

Bachelor of Commerce Degree—A four-year course of study designed to prepare the student for the B.Com. degree.

Evening Certificate and Diploma Courses—Training courses in Accounting, Mathematics, Commercial Law, and allied subjects to assist evening students to prepare for certificate and diploma examinations conducted by the School, and to meet the requirements of certain professional societies.

Industrial Relations Centre—A centre established for the purpose of bringing members of the University staff and of the industrial community together with a view to promoting study and research in fields associated with industrial relations.

COMMERCE LIBRARY

The Commerce Library is located in Purvis Hall and consists of over 24,882 books and periodicals and 9,829 pamphlets in the field of economics, business, industrial relations, and management. These materials are readily available on the shelves and in files in the library reading room. The facilities of the Redpath Library are also available to students.

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UNDERGRADUATE PROGRAMME

The Bachelor of Commerce Degree

AIMS OF THE SCHOOL

Very few students come to University determined on a particular career. Indeed, if this were not so, the whole purpose of a University education would be defeated for it is here, in the study of the customs, traditions and cultures of other civilizations, in the analysis of ancient and modern philosophies, in the pursuit of scientific knowledge and truth that the young man obtains that broad and varied background without which he can hardly make a wise and effective choice of his life's work. Having made that choice, one can expect that the student will concentrate upon it and endeavour to build as full and rich a life as possible. We must not assume, since we are not a professional graduate school, that his future is determined and proceed to train before we educate.

The curriculum is based on compulsory courses in English, Mathematics, a language option and continuations in one or more selected Arts subjects. The purpose is, as stated above, to incorporate the essential values of the liberal tradition in the program of the Commerce student, the tradition which enables him to identify himself with the experience and thought of the past and which will guide him in the creative work of his own future.

Building upon this foundation in the basic humanities, the student undertakes a formal, rigorous program in Economics, including courses in Economic History, Principles of Economics, Money and Banking, Statistics and Applied Economic Analysis. Here the purpose is to acquaint him with the underlying and basic economic laws, principles and forces which work in and through our enterprise system and to emphasize the social obligations and public responsibilities of business leadership. Additional options in Political Science, Geography, Sociology and Psychology are also available and the student is encouraged to broaden his understanding of contemporary social and political institutions by working in these fields.

The third general area covers the Applied Economic and Commerce subjects and the student is required to take two courses in Accounting and one in Commercial Law—courses which are designed to introduce him to corporate methods, forms of organization, principles of accounts and the legal framework within which business operates. Additional courses in Accounting are available for students going into the profession and there are also options in particular aspects of business such as Marketing, Administration, etc.

There is often a misunderstanding about the nature of a School of Commerce. We are in no sense a vocational school. Vocational training does contribute to the freedom of the individual, as does all education, but we are not concerned to graduate students as qualified personnel managers, marketing specialists or professional accountants. All subjects must be, and are being, taught liberally, i.e. in such fashion as to provide a careful training of the mind and to require the student to use his intellectual faculties with skill and confidence—a disciplining which makes him aware of his mental powers, his powers of apprehension, insight, judgment and reasoning. "Men are men before they are lawyers or physicians or manufacturers; and if you make them capable and sensible men, they will make themselves capable and sensible lawyers or physicians." This statement by John Stuart Mill describes the educational philosophy of the School of Commerce.

ADMISSION TO THE SCHOOL OF COMMERCE

All applications to enter the School of Commerce must be made on forms which may be obtained from the Registrar's Office. Each applicant from a High School should see that a confidential report is sent from his school Principal to the Registrar, as such a report is necessary for the consideration of the application. Completed applications should reach the Registrar not later than August 31st, and if possible much earlier.

All Canadian and U.S. students who apply for admission at Junior or Senior Matriculation level in 1962 and subsequent years must take the tests offered by the College Entrance Examination Board. These consist of the Scholastic Aptitude Test (in two parts—Verbal and Mathematical) and three Achievement Tests selected by the student in consultation with his school principal. The English Composition test is compulsory; the other two tests may be chosen from any of the following: Intermediate Mathematics, *or* Advanced Mathematics; Physics; Chemistry; Biology; French; Latin; German; Spanish; and, for United States applicants only, Social Studies.

These tests must be written not later than in March of each year. The tests may be written on one testing date, but it is recommended that applicants write the Scholastic Aptitude Test in December or January, and the three Achievement Tests in January or March. The cost to the student for writing the full set of tests is $13.00. Students from the eastern parts of Canada and the United States may obtain information about tests, and test centres, etc. by writing to the College Entrance Examination Board, Box 592, Princeton, New Jersey; students from the west should write to: College Entrance Examination Board, Box 27896, Los Angeles 27, California.

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Each accepted candidate will receive a formal acceptance to a definite course and year and this must be kept for presentation at registration.

The number of admissions is limited and the School is not bound to accept all applicants who have passed the required examinations.

ADMISSION TO THE FIRST YEAR

A student may apply for admission to the First year of the B.Com. course after passing in specified subjects of the McGill School Certificate Examination or one of the examinations recognized by the University. For details, see the School Certificate Examinations Announcement.

ADMISSION TO THE SECOND YEAR WITH SENIOR MATRICULATION

A student may apply for admission to the Second year if he has passed in specified subjects of the Senior School Certificate Examinations, or recognized equivalent, and if he has achieved an average of at least 70% on the examination as a whole. Special consideration may, however, be given to candidates who have received an average of 65% to 70% if they have obtained high standing in each of the English, History, and Mathematics examinations. For further particulars, see the School Certificate Examinations Announcement.

ADMISSION BY TRANSFER

Application for transfer into an upper year of the School should be made to the Registrar's Office. It must be made on the regular form and be supported by certified copies of the applicant's previous academic record including the matriculation record. Such an application will be considered only if the student is in good standing and has a record which justifies the transfer.

Students admitted into the Second or the Third year will be required to take certain courses compulsory in a lower year, unless exempted.

Two years of residence are required as minimum for the degree, hence students cannot be allowed to transfer into the Fourth year.

REGISTRATION

All First year students in the School of Commerce will register on Monday, September 18th, between 9 a.m. and 12.00 noon, in the Sir Arthur Currie Memorial Gymnasium. Students in the Second, Third, and Fourth years will register in the Gymnasium on Saturday, September 23rd between 9 a.m. and 12 noon.

The Freshman Welcome meeting will take place on Tuesday, September 19th in the Gymnasium at 9 a.m.

After these registration days a special late registration fee must be paid (see the General Information Pamphlet included in this Announcement).

No student will be admitted after September 30th except by special permission of the Dean.

All women undergraduates registered at McGill University are automatically members of the Royal Victoria College, whether in residence or not, and at the time of registration will be required to fill out special forms for the Royal Victoria College. Women undergraduates not residing with their parents or guardians in Montreal must apply for residence in the College, attaching, if desired, a note describing in full their plans for residence elsewhere, and obtain the Warden's written approval (*See the General Information pamphlet.*).

REGISTRATION PROCEDURE

Each regular undergraduate must be registered for the courses and year to which he has been accepted. Limited undergraduates and Partials must obtain approval of their courses from the Director of the School and the Dean's office before proceeding to register.

All students intending to take an Honours Course (Economics or Political Science) must obtain the approval of the Chairman of the appropriate department and of the Director of the School before registration.

Courses of study for the B.Com. degree are laid down on pages 1214-1215 and details of these courses are found in pages 1216 to 1246. Information regarding registration for Honours, or Distinction and Great Distinction is found on pages 1210-1212.

ATTENDANCE, EXAMINATIONS, AND ADVANCEMENT

The attention of students in Commerce is called to a separate pamphlet entitled *Regulations Governing Attendance, Examinations, and Advancement*, issued by the Faculty of Arts and Science. This booklet is distributed at the time of registration. Extra copies may be obtained through the Dean's Office.

FEES

Regular University fees and special fees are explained in the General Information Pamphlet enclosed with this Announcement.

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions as described in the regulations concerning remission of fees in the General Information Pamphlet.

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DATES OF PAYMENT

Fees are due and payable at the Accounting Office between the hours of 9 a.m. and 4 p.m. (Saturday 9-12), on the following dates:—

Monday, September 18th

to

Friday, September 29th

If desired, fees may be remitted by mail before the above dates.

The second instalment of tuition fees is due and payable on January 15th. An additional $2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the above paragraph.

Failure to pay fees by the prescribed dates will result in suspension from attendance at classes by the Dean of the Faculty until fees are paid, or a satisfactory arrangement is made with the Chief Accountant.

EXPENSES

An estimate of expenses will be found in the General Information Pamphlet included in this Announcement.

PASS MARK AND CLASSES

The pass mark in all examinations is 50 per cent, and the minimum marks for first and second class standing are 80 per cent and 65 per cent respectively.

DISTINCTION AND HONOURS

Distinction in the General Course will be awarded to students, other than those registered in the Honours course in Economics, who achieve a 75 per cent average in the Second, Third, and Fourth years.

Great Distinction will be awarded to students who achieve an 80 per cent average in the Second, Third, and Fourth years.

Honours in Economics and in Political Science

At the beginning of his second year a student whose average mark in his first year is 65% or more may elect Honours in Economics (or Honours in Political Science with specialization in Public Administration), provided that he obtains the permission of the Chairman of the Department of Economics and Political Science. To remain in Honours he must attain a yearly average of at least 65% in those courses he takes within the Department. Individual tutorial guidance is provided for the student in Honours during his third and fourth years.

The requirements of Honours Economics, in conjunction with the ordinary requirements of the School of Commerce, determine the following programme of studies. During the four years of his studies the student must take at least seven courses in Economics. In the first year he takes the ordinary programme of the School of Commerce, including Economics 100 (Economic History). In his second year he takes the regular courses in the School of Commerce except that he substitutes Economics 211H (Introduction to Economic Theory) for Economics 211C (Principles of Economics). In his third year he takes Economics 311 (History of Economic Thought), Economics 321H (Money and Banking), Economics 361 (Economic Statistics), a course in the Arts continuation begun in second year, and a fifth course as the School of Commerce allows. In his final year he takes Economics 411 (Advanced Economic Theory) instead of Economics 412 (Economic Analysis), any further courses in Economics to meet the overall minimum of seven, a further course in his continuation subject, a course in Commercial Law, and the balance of his programme as the School and Department allow. His choice of courses in Economics must prepare the student for the "Special Paper" described in the section on examinations that follows.

Students who wish to take Honours Political Science (with specialization in Public Administration) should consult the Department for details of course and examination requirements.

For a complete description of courses offered by the Department of Economics and Political Science, students should refer to the Arts and Science Calendar.

Final Examinations for Honours in Economics

At the end of his fourth year, the student who has elected Honours Economics writes the following examinations:

(a) *A Major paper:* This will be a two-part examination. Part I (3 hours) will be the course examination on the Major subject taken in the Fourth year, i.e. Economics 411. Part II (2 hours) will be of a more general and comprehensive character and will attempt to test the student's ability to integrate his knowledge of the Major field. It will be based, to a large extent, on the subject matter of Economics 211H and 311.

(b) *A Special paper:* This examination will cover the field chosen by the student for specialization and will be based on the sequence of courses in this field and on special reading and research. Examples of fields for specialization are Economic Theory, Labour Economics, International Trade, etc. Courses elected in the Third and Fourth year will not be approved unless their sequence prepares the student for this requirement. The "special paper" replaces the ordinary examination in the corresponding course in economics.

(c) ordinary examinations in all other courses.

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The effect of this programme is that the Honours student writes the same number of papers as the general student, but that one of the papers he writes has supplementary questions, and that another replaces an ordinary course examination.

STUDENTS WORKING TOWARDS A PROFESSION

Students who intend after graduation to enter a profession should acquaint themselves with the requirements for admission to that profession, and should take these requirements into consideration when choosing their optional courses.

Candidates for the Diploma of Licentiate in Accountancy of McGill University, which confers on its holders the right to become members of the Institute of Chartered Accountants of Quebec, should have their programmes approved by the Professor of Accounting or the Director of the School of Commerce.

Students who wish to enter the actuarial profession should take Mathematics 216 in their First year. The courses in Actuarial Mathematics on pages 1238-1239 offer a sound basis for professional work in this field.

THE DIPLOMA OF LICENTIATE IN ACCOUNTING OF McGILL UNIVERSITY

Legislation of the Province of Quebec provides:

"A diploma of Licentiate in Accountancy of the Royal Institution for the Advancement of Learning (McGill University) granted in the way hereinafter indicated confers on its holder, notwithstanding any law to the contrary, the right to become a member of The Institute of Chartered Accountants of Quebec, without examination, after payment of the usual fees and contributions.

"Before the diploma is granted it must be established that the student is of the full age of twenty-one years, that he has successfully followed, for at least three years, the courses prescribed by the School of Commerce of McGill University, that he has had, either before or after his examination, one year of service in the office of a public accountant who is a member of The Institute of Chartered Accountants of Quebec, if possible, otherwise in the accounting service of an industrial, commercial or financial establishment or of an appropriate government department, and that he has successfully passed the final examination before a jury composed of the director and three members of the teaching staff of the abovementioned School of Commerce and three members of the said Institute."

(Act 10, George VI, Chapter 47, Section 19.)

In addition to the above, the University requires that the student:

1. shall register with the School of Commerce of the University as a Licentiate student before commencing his courses, after graduation as a Bachelor of Commerce.
2. after graduation, shall have successfully completed a prescribed program of study for a minimum of two years.
3. shall have made application for admission to the final examination on the form prescribed by the School of Commerce.

Graduates of this University who hold the degree of Bachelor of Commerce will be deemed to have met the course requirements above, if, in their program of study for this degree, they have successfully completed the undergraduate courses which are, at present, designated as Accounting 101, 201, 301, and 401. If, in addition to these four courses, such candidates have successfully completed the courses presently designated as Accounting 402(a) and 402(b), and they have obtained at least a second class standing in each of Accounting 401, 402(a) and 402(b), they will be exempt from the final examinations in Accounting Evening Courses C-461 and C-462. They will, however, be required to attend, and to complete the appropriate class work in these courses.

In the application of the requirement of "one year of service," the alternative of "accounting service of an industrial, commercial or financial establishment or of an appropriate government department" will be acceptable only if it is established that no position is available in the office of a practising public accountant who is a member of the Institute of Chartered Accountants of Quebec, and such service has been approved by the jury.

The normal program of study for the Diploma of Licentiate in Accounting, after graduation from this University with the degree of Bachelor of Commerce, including the abovementioned undergraduate Accounting courses, will be completion of the requirements for the courses which are, at present, designated Accounting and Auditing C-461, C-462, C-561 and C-562, as given by the Extension Department of this University.

Any Licentiate student wishing to obtain a higher degree (such as M.B.A. or M.Com.) in Accounting, Business Administration, Commerce, or related subjects, in this or any other approved University, may, on recommendation of the Professor of Accounting and with the approval of the Jury, and upon completion of the requirements for such higher degree, be granted exemption from the requirements of C-461 and C-462 in the Accountancy Evening Courses. A student who has completed studies for the said higher degree by attendance for not less than one academic year, without passing the degree itself, may be exempted from attending the C-461 and C-462 courses but will be required to pass the

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examinations in these courses. Students should, however, clear their proposed program of study for such higher degree with the Professor of Accounting before registering for any Postgraduate program.

NOTE: Graduates of this University with the degree of Bachelor of Commerce who wish to qualify for membership in the Institute of Chartered Accountants of Quebec, but have not fulfilled the requirements for the Diploma of Licentiate in Accountancy in their undergraduate studies as noted above, may qualify to write the final examinations of the Institute by successfully completing a prescribed course of training which normally consists of three years of Evening Courses in Accounting and Auditing. They must also "have completed two years' service in the office approved by the council, such service to be in the office of a member of the Institute if possible, otherwise in such office and nature of work as may be prescribed by the by-laws, rules or regulations of the Institute." (Sec. 8, 3, a, (i).) In this case graduates do not continue as Licentiate students of McGill University but are required to register with the Institute of Chartered Accountants of Quebec. They are not required to write the Institute's Intermediate examinations. Students should consult with the Professor of Accounting and the Executive Secretary of the Institute of Chartered Accountants of Quebec, 630 Lagauchetiere Street West, Montreal.

CURRICULUM

The curriculum leading to a B.Com. degree consists in part of compulsory courses and in part of optional courses chosen in accordance with the student's individual interests. As optional courses a student may take any courses offered in the Faculty of Arts and Science which are approved by the Director. A student in any year is expected to satisfy himself, before he selects any optional course:

(1) That he has completed any pre-requisite work for the course,

(2) That there is no conflict in his time-table,

(3) That his selection is approved by the Director

The choice of optional courses is very important. Only one limited option is permitted in the First year. During that year the student should seek guidance from faculty members to assist him in working out for later years an integrated group of courses most suited to his interests and needs. For example, the student planning to become a Chartered Accountant should be sure that he elects the appropriate options required for this professional training. Similarly, a student interested in specialization in Industrial Relations should obtain advice on the most appropriate grouping of optional courses in Economics, Psychology, and Sociology. The high degree of flexibility provided by the optional system makes careful selection imperative.

MINIMUM REQUIREMENTS FOR THE DEGREE OF BACHELOR OF COMMERCE.

Compulsory Courses	Elective Courses
FIRST YEAR	
English 100 Mathematics 111 Economic History (Economics 100) Accounting 101	One of French 110* Spanish 100 German 100 Italian 100 Latin 1 Greek 1 Russian 100
SECOND YEAR	
Elements of Economics (Economics 211C) Accounting 201 Elementary Calculus (Mathematics 224)	One of the following: Geography 111 Political Science 211G Psychology 21 Sociology 210 AND A continuation subject from the following: English French German History Italian Philosophy Spanish Russian
THIRD YEAR	
Money and Banking (Economics 321) Statistics 361	A further course in the continuation subject selected in second year. Two additional courses from Section II (Continuation Subjects) or Section III (Options in Commerce and the Social Sciences).
FOURTH YEAR	
Economic Analysis (Economics 412) Commercial Law I	A further course in the continuation subject selected in Second year. Two additional courses from Section II (Continuation Subjects) or Section III (Options in Commerce and the Social Sciences).

*See page 1231.

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DESCRIPTION OF COURSES

The following list includes all required courses for the B.Com. degree, as well as the principal courses available as options from which the student may choose to complete his programme. Unlisted courses offered by the Faculty of Arts and Science may also be chosen. *The complete programme of any student must be approved by the Director.*

The list is divided as follows:

(i) Required courses for the B.Com. degree.
(ii) The principal subjects available as Arts and Science continuations.
(iii) The ten options in Commerce and the Social Sciences.

SECTION I

REQUIRED COURSES FOR THE B.COM. DEGREE

ACCOUNTING

101. ELEMENTS OF ACCOUNTING. First year (Full course). Introduction to Books of Account and Financial Statements; theory of debit and credit; principles of double entry; the accounting cycle; recording of transactions in the general journal and general ledger; principles of control accounts; accounts receivable and accounts payable ledgers; provision for bad debts and cash discounts; use of special books of original entry including cash receipts and cash payments books, cheque register, sales and purchase journals, and voucher register; distinction between capital and revenue expenditure; accounting for petty cash; bank reconciliation statements; notes and bills of exchange; inventories; preparation of Profit and Loss Accounts or Statements and Balance Sheets, with adjusting and closing entries.

3 hours. *Professor A. R. Marshall*

201. INTERMEDIATE ACCOUNTING. Second year (Full course). Revision of the work of First year at a more advanced level.

Partnerships: accounting for formation, distribution of profits; admission and withdrawal of partners including treatment of goodwill and bonus; partnership dissolution and liquidation; default of a partner; sale of a partnership to a limited company.

Manufacturing accounts and statements; the elements of cost; periodic and perpetual inventories; transfer of goods to trading department at a price in excess of factory cost, with adjustment of inventories.

Single entry: books and accounts required; preparation of financial statements from single entry data; conversion to double entry.

Corporations: legal aspects; types of shares; elementary treatment of issues of capital stock, bonds and debentures; classification of corporate surplus; dividends; correction of profits of prior periods; "clean surplus theory" and "current operating concept of income measurement."

Asset accounting with particular emphasis on cash; receivables; inventories; investments; tangible and intangible fixed assets.

Elementary consideration of financial statements; analysis and interpretation; methods of presentation; statements of source and application of funds.

Advance advice as to accounting techniques; consignment accounting; branch accounting; cost accounting; budgets.

3 hours. *Professors D. R. Patton and A. R. Marshall*
(*Req. B.Com.*)

ECONOMICS

100. ECONOMIC HISTORY. First year (Full course). Evolution of economic institutions; the ancient empires; economic and social aspects of the decline and fall of the Roman Empire; mediaeval agrarian economy; fairs, towns and trading companies; mediaeval money; the voyages of discovery; religion and the rise of capitalism; nationalism and mercantilism; the colonial system; the beginnings of modern banking; the great inventions and the factory system; North American industrial development; trade unions and the co-operative movement; legislative protection of the worker; international finance; rise and fall of the gold standard; evolution of the central banking function; recent economic changes.

3 hours. *Professor Supple*

211C. PRINCIPLES OF ECONOMICS. Second year (Full course). An introduction to the general principles of economics, covering monetary systems, price levels, national income, production, competition, and international trade.

3 hours. *Professor D. McC. Wright*

321. MONEY AND BANKING. Third year (Full course). Theory and practice of money and credit; organization and operations of financial institutions; monetary policy; concept and function of money; early history of credit institutions; the Peel Bank Act, and the development of the British financial system; the National Banking System in U.S. and the evolution of the Federal Reserve System; early development of Canadian banking; effects of World Wars I and II and of the Great Depression on U.S., U.K., and Canadian banking.

3 hours. *Professor* ————

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361. ECONOMIC STATISTICS. Third year (Full course). Description of frequency distributions including averages, dispersion, and skewness. Charting and analysis of time series: trend lines, seasonal indexes, and measurement of cyclical fluctuations. Index numbers. Simple linear correlation. An introduction to Statistical Inference covering the following topics; elementary distributions, sampling, tests of statistical hypotheses, and estimation of population parameters.

2 hours lecture, 2 hours laboratory. *Professor E. F. Beach*

412. ECONOMIC ANALYSIS. Third or Fourth year (Full course). Analysis of the economic problems of the firm; the determination of the demand curve; the forecasting of demand; the measurement of costs; pricing problems in various types of markets; the determination of optimum policies for such matters as advertising, packaging, and premiums.

3 hours. *Professor D. E. Armstrong*

ENGLISH

100. ENGLISH LITERATURE AND COMPOSITION (Full course). A selection of major works in the English literary tradition from medieval to modern times. One hour each week is given to practice and instruction in composition.

A student whose mother tongue is not English and who might, therefore, encounter unusual difficulties with English 100 may be directed by the Department to take English 150 before proceeding to English 100.

4 hours (1 lecture and 3 tutorial meetings).

Professor R. S. Walker and Members of the Department of English

REGISTRATION IN ENGLISH 100: It is important to register at the start of the session. Classes missed through late registration are counted as absences; no student whose unexcused absences exceed one eighth of the number of meetings in the Course is permitted to write the final examination. Assignments unfulfilled because of late registration cannot be made up.

Those required to repeat the Course are subject to all the regulations governing First year students.

150. ELEMENTARY ENGLISH COMPOSITION. This course is especially designed to help students whose mother tongue is not English and who have particular difficulty in the writing of correct idiomatic English.

First year students whose mother tongue is not English, and whose proficiency in the use of English is not such, in the opinion of the Department, as to enable them to profit adequately from Course 100, will be

directed to take Course 150 before proceeding to Course 100. First year students not so directed, and students in other years, may, with the permission of the instructor, elect this course; but they cannot thereby gain any credit towards a degree.

2 hours per week throughout the session. *Mrs. Janet Betanzos-Santos*

LAW

COMMERCIAL LAW 1. (Full course.) Law of Contracts, Sale, Agency, Partnership, Company Law, and Negotiable Instruments.

3 hours. *Professor R. S. Willis*

(*Req. B.Com.*)

MATHEMATICS

FIRST YEAR

Mathematics 113 is an advanced course for First year students who have passed in Intermediate Algebra and Trigonometry at Junior Matriculation, and should be taken by those who plan to pursue an Honours Course in Mathematics.

Students registering for First year Mathematics who have passed in Intermediate Algebra and Trigonometry at Junior Matriculation will take Mathematics 112 or 113.

All other students may register for Mathematics 111.

111. TRIGONOMETRY, ALGEBRA, ANALYTICAL GEOMETRY (Full course).

PLANE TRIGONOMETRY. Radian measure, logarithms, definitions of the trigonometrical functions, relations between the trigonometrical functions, reduction of angles, addition formulae, transformations of sums and products, logarithmic solution of triangles, problems in heights and distances, inverse functions, solution of trigonometric equations, graphs.

ALGEBRA. Variation, progressions, with applications to compound interest, permutations and combinations, mathematical induction, binomial theorem, theory of quadratic equations.

ANALYTIC GEOMETRY. The analytic geometry of the straight line and circle.

3 hours. *Professor Tate and Staff*

Text: H. Tate, *Elementary Mathematical Analysis* (Pitman).

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112. SURVEY OF MATHEMATICS (Full course). Review of trigonometry: identities, equations, inverse trigonometric functions. Plane analytic geometry. Mathematical induction, complex numbers, functional notation, algebraic functions, the division algorithm, remainder theorem, solutions of equations, inequalities. Algebra of sets. The number system. Elements of calculus.

3 hours. *Mr. Shtern and Staff*

Text: Allendoerfer and Oakley, *Fundamentals of Freshman Mathematics.*

113. SURVEY OF MATHEMATICS. Advanced. (Full Course.) Analytic geometry of straight line and circle, vectors in geometry; algebra of sets, switching circuits; axioms of elementary algebra, mathematical induction, complex numbers, polynomials, division and G.C.D. algorithms; elements of calculus.

3 hours. *Professors Melamed and Sussman*

Text: Allendoerfer and Oakley, *Principles of Mathematics.*

224. ELEMENTARY CALCULUS. (Full course.) Graphical representation; limits, differentiation and integration of elementary functions, with applications to the determination of lengths, areas, and volumes and the solution of simple problems in mechanics, physics, etc.; partial differentiation.

This course is intended to give students of biochemistry, chemistry, economics, and sociology a working knowledge of the elements of calculus.

3 hours. *Professor Herbert Tate and others*

Text: H. M. Bacon, *Differential and Integral Calculus* (McGraw-Hill).

SECTION II

CONTINUATION SUBJECTS

In his Second year a Commerce student is required to select a subject from the following, English, History, Philosophy, French, German, Russian, Italian, and Spanish, and to continue his studies in this area through the Third and Fourth years. Each student's programme is subject to the approval of the Director.

ENGLISH

COURSES OPEN TO STUDENTS IN THE SECOND YEAR

English 100 (or its equivalent) is prerequisite for admission to Second year courses. Courses open to students in the Second year cannot be taken twice for credit even when their content is changed from year to year.

200. SHAKESPEARE (Full course). For Second year students only.
3 hours. *Professor R. S. Walker*

220. ENGLISH LITERATURE IN THE EIGHTEENTH CENTURY (Full course).
3 hours. *Professor Slava Klima*

230. ENGLISH LITERATURE IN THE NINETEENTH CENTURY (Full course). For Second year students only. Recommended as a suitable continuation course.
3 hours *Professor G. F. Sleigh*

240. AMERICAN LITERATURE (Full course).
3 hours. *Professor H. G. Files*

250. CREATIVE WRITING—INTERMEDIATE (Full course). *Registration is strictly limited to those who can produce evidence of special talent in original composition. Students must have the instructor's permission to take this course.*
Hours to be arranged. *Professor Constance Beresford-Howe*

290. THE GREAT WRITINGS OF EUROPE (Full course). For 1961-62 the period studied will be from 1750 to 1850. Most of the works studied are available in translation.
3 hours. *Professor L. Dudek*

COURSES OPEN TO STUDENTS IN THE THIRD AND FOURTH YEARS

English 100 (or its equivalent) is prerequisite for admission to Third and Fourth year courses. Third and Fourth year students may take any of the courses open to Second year students except English 200 and 230.

300. OLD ENGLISH (Full course). English Language and Literature up to the Norman Conquest. The course includes readings from Anglo-Saxon prose in the first term; and in the second, a study of heroic poetry. The texts used are: Bright, *Anglo-Saxon Reader* and *Beowulf* (ed. Klaeber). The course is open to Third and Fourth year students taking Honours in English or in English plus another subject. *Third and Fourth year students in other categories must have the instructor's permission to take the course.*
3 hours. *Professor Martin Puhvel*

305a. CHAUCER (Half course). A study of *The Canterbury Tales*, their sources and analogues. Robinson's text (the Student's Cambridge Edition of the Complete Works) is used.
First term: 3 hours. *Professor Joyce Hemlow*

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305b. CHAUCER (Half course). A study of the dream-vision poems and of the Troilus story.
Second term: 3 hours. *Professor Joyce Hemlow*

310. MIDDLE ENGLISH (Full course). Studies in Middle English Literature (exclusive of Chaucer). The course is open to students who have taken either Old English or Chaucer.
3 hours. *Professor Martin Puhvel*

315b. NON-DRAMATIC LITERATURE OF THE FIFTEENTH AND SIXTEENTH CENTURIES (Half course). Special emphasis is given to the development of poetic techniques and the growth of humanism.
Second term: 3 hours. *Professor Joyce Hemlow*

318a. SIDNEY AND SPENSER (Half course).
First term: 3 hours. *Professor Joyce Hemlow*

318b. MILTON (Half course). A study of *Paradise Lost*, *Paradise Regained* and *Samson Agonistes*.
Second term: 3 hours. *Professor A. E. Malloch*

320. ENGLISH LITERATURE IN THE SEVENTEENTH CENTURY (Full course).
3 hours. *Professor A. E. Malloch*

322a. POETRY OF THE ROMANTIC PERIOD: 1780-1840 (Half course). A detailed study of selected poems by Blake, Wordsworth, Coleridge and Keats.
First term: 3 hours. *Professor A. Lucas*

322b. POETRY OF THE VICTORIAN PERIOD: 1840-1890 (Half course).
Second term: 3 hours. *Professor A. Lucas*

324. SHAKESPEARE (Full course). A detailed study of selected plays, none of which are on the reading-list for the Second year Shakespeare course. This may be taken as a continuation course following on English 200.
3 hours. *Professors Walker and Faragoh*

325. ENGLISH DRAMA FROM THE BEGINNINGS TO 1642, EXCLUDING SHAKESPEARE (Full course).
3 hours. *Professor Curtis D. Cecil*
(*Not given in 1961-62.*)

330. ENGLISH DRAMA FROM 1660 TO THE PRESENT (Full course).
3 hours. *Professor Curtis D. Cecil*

331. CONTINENTAL EUROPEAN AND AMERICAN DRAMA FROM IBSEN TO THE PRESENT (Full course).
3 hours. *Professor Frank Faragoh*

335. THE ENGLISH NOVEL FROM THE BEGINNINGS TO THE PRESENT TIME (Full course). This course includes some reference to foreign work and to related literary types.

3 hours. *Professor A. Lucas*

336b. THE SHORT STORY (Half course). The history of the short story in English, with some reference to foreign work and to related literary types. Twentieth-century forms and techniques are emphasized.

Second term: 3 hours. *Professor Constance Beresford-Howe*

340. STUDIES IN LITERATURE SINCE 1900 (Full course). Contemporary authors, English and American, with special emphasis on novelists and dramatists.

3 hours. *Professor H. G. Files*

341. CANADIAN LITERATURE (Full course). The development of prose literature and poetry in Canada from the beginnings to the present time.

3 hours. *Professors H. MacLennan and L. Dudek*

345. ENGLISH PROSE FROM BACON TO THE PRESENT (Full course). The purpose is to trace the development of English prose expression, to show how the powers of the language have become enlarged as writers have responded to the challenge of new ideas and new inventions in writing techniques.

3 hours. *Professor H. MacLennan*

355a. THE ART OF POETRY (Half course). A study of poetic forms and techniques. Though the course is intended for students of literature generally, the practising writer will find it useful; students are encouraged to submit work of their own for critical discussion in conference.

First term: 3 hours. *Professor L. Dudek*

365. POETRY OF THE TWENTIETH CENTURY (Full course). A survey of recent poetry by British and American authors.

3 hours. *Professor L. Dudek*

Texts: The collected poetry of W. B. Yeats, T. S. Eliot, Robert Frost, Ezra Pound, W. H. Auden, and Dylan Thomas.

370. CROSS-CURRENTS BETWEEN ENGLISH LITERATURE AND THE EUROPEAN LITERATURES IN THE 18TH CENTURY (Full course). This course deals with the influence of continental literature and criticism on the English neoclassicism of the 18th century, and with the influence of English literature and criticism on European writers from the time of Voltaire to the rise of Byronism. It includes reference to the works of French, German and Italian authors. A reading knowledge of French is a prerequisite.

3 hours. *Professor Slava Klima*

(*Not given in 1961-62.*)

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375. EUROPEAN HUMANISM IN THE 20TH CENTURY (Full course). A survey of the attempts of Rilke, Thomas Mann, Gide, Conrad, Malraux and other major writers to redefine humanism for our age. The texts are available in English translation, but a reading knowledge of French or German is desirable.

3 hours. *Professor Klima*

380a. BIBLIOGRAPHY (Half course). An introduction to the apparatus and methods of scholarship in literary studies. *Open to Honours students: others must have the instructor's permission to take the course.*

First term: Hours to be arranged. *Professor A. E. Malloch*

395. CREATIVE WRITING—ADVANCED COURSE (Full course). An advanced course open to a limited number of undergraduate students who appear well qualified for mature creative writing. Application for permission to take this course should be made at the beginning of the session. *Registration is limited.*

Hours to be arranged. *Professor H. G. Files*

GERMAN

FIRST YEAR

100. GERMAN LANGUAGE (Full course). Beginners' B.A., B.Com. Course.

3 hours. *Professors Meyer and Block*

Texts: Curts, *Basic German*, 3rd ed. (Prentice-Hall); Goedsche-Glaettli, *Thomas Mann* (Amer. Book Co.).

100X. INTRODUCTION TO GERMAN LITERATURE AND THOUGHT, in English. (Optional course for students of German 100 and any other students by special permission. It does not constitute a half course nor will there be an examination.)

(*Not given in 1961-62.*)

SECOND YEAR

Note: Students who intend to proceed to Course 210 from German 100 must have obtained a high Second Class and are required to read during the summer the following: Kästner, *Emil und die Detektive* (Holt). Those who intend to proceed to Course 300 from German 100 must have obtained a First Class and are required to study during the summer the following texts: Kästner, *Emil und die Detektive* (Holt); Storm, *Immensee*.

GERMAN CONVERSATION

Students who intend to continue German must attend a class in Oral German (one hour a week) until, in the Department's opinion, they have reached a satisfactory standard.

200. GERMAN LANGUAGE (Full course).

3 hours. *Professors Meyer and Block*

Prerequisite: German 100 or Matriculation in German, or their equivalent.

Texts: Gorr, *Short Review Grammar* (Appleton-Century-Crofts); E. Meyer, *Akademische Freiheit* (Houghton-Mifflin); Kästner, *Emil und die Detektive* (Holt).

Private Reading: Genialische Jugend (Houghton Mifflin).

210. GERMAN LANGUAGE (Full course).

3 hours. *Professors Meyer and Reiss*

Prerequisite: German 100 or Matriculation in German.

Texts: L. J. Russon, *Complete German Course for First Examinations* (Longmans, Green); L. W. Forster, *German Tales of Our Time* (Harrap); Lessing, *Nathan der Weise* (Harrap).

Private Reading: Storm, *Immensee*; Schnitzler, *Der blinde Geronimo und sein Bruder* (Heath).

300. GERMAN LANGUAGE AND LITERATURE (Full course). No student may proceed directly from German 100 to German 300 unless he has completed the summer work as given above.

3 hours. *Professors Block and Reiss*

Prerequisite: German 200 or 210.

Texts: L. J. Russon, *Complete German Course;* Goethe, *Egmont* (Holt) Goethe, *Urfaust* (Harper).

Private Reading: Thomas Mann, *Tonio Kroger* (Crofts); Grillparzer, *Der Arme Spielmann* (Inselbucherei No. 82).

For further information and additional courses see the Announcement of the Faculty of Arts and Science.

RUSSIAN

Students who take Russian in order to fulfil the Modern Language requirement for the B.Com. degree must take Russian 100 and Russian 200 or 205.

Students who take Russian as a Continuation subject must take Russian 100, 200 or 205, 300 and 400.

Classes in Russian conversation will be available.

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FIRST YEAR COURSES

100. RUSSIAN LANGUAGE (Full course).

Reading, grammar, translation, oral practice.

3 hours. *Staff*

Texts: G. A. Znamensky, *Conversational Russian* (Ginn); James and Faden, *Kniga dla chteniya dla studentov inostrantsev* (Bradda, London).

No prerequisite.

SECOND YEAR COURSES

200. RUSSIAN LANGUAGE (Full course). Reading, grammar, translation, oral practice.

3 hours. *Staff*

Texts: Coulson and Duddington, *Russian Short Stories, 19th Century* (Oxford); A. Semeonoff, *A New Russian Grammar* (Dent).

Prerequisites: Russian 100 or equivalent.

205. RUSSIAN LANGUAGE. Advanced in the Second year (Full course). Syntax, translation, reading, conversation.

3 hours. *Professor Litwinowicz*

Texts: Coulson and Duddington, *Russian Short Stories, 19th Century,* (Oxford); Baring and Costello, *The Oxford Book of Russian Verse;* A. Semeonoff, *A New Russian Grammar* (Dent).

Prerequisite: Russian 105 or equivalent.

Recommended Books for the First and Second year courses: O'Brien, *New English-Russian and Russian-English Dictionary* (Dover); *Orfograficheskii Slovar' russkogo yazyka,* Moscow, 1959; Forbes, *The Russian Verb* (Oxford); Stilman, *Russian Verbs of Motion* (Kings Crown Press, New York); Patrick, *Roots of the Russian Language* (Pitman).

THIRD AND FOURTH YEAR COURSES

300. RUSSIAN LANGUAGE AND LITERATURE IN THE 19TH CENTURY (Full course).

Grammar, reading from selected authors, composition. Course will be conducted in Russian.

3 hours. *Professor Litwinowicz*

Texts: A. S. Pushkin, *Kapitanskaya dochka* (Dent); I. S. Turgenev, *Rudin* (Columbia); Baring and Costello, *The Oxford Book of Russian Verse;* B. Unbegaun, *Russian Grammar* (Oxford).

Private reading: Duddington and Gorodetzky, *Tolstoy's Selections* (Oxford).

Prerequisites: Russian 200 or 205, or permission of the instructor.

400. RUSSIAN LANGUAGE AND LITERATURE IN THE 20TH CENTURY (Full course). It is intended to trace the development of the Russian novel and language after the October Revolution. The course will be conducted in Russian. 3 hours. *Professor Litwinowicz*

Texts: M. A. Sholokhov, *Tikhit Don*; Ronald Hingley, Ed., *Soviet Prose* (Pitman).

Private reading: Alexy N. Tolstoy, *Petr Pervyt.*

Prerequisites: Russian 300, or permission of the instructor.

Recommended Books for the Third and Fourth year courses. Smirnitsky, *Russko-Angliiskii Slovar'* (Moscow, 1958); Mueller, *English-Russian Dictionary* (Dutton); Ozhegov, *Slovar' Russkogo Yazyka* (Explanatory dictionary); Avanesov, *Russkoye literaturnoye udareniye i proiznosheniye* (Orthoepic dictionary); Preobrazhensky, *Etimologicheskii slovar' Russkogo yazyka* (Columbia); Borras and Christian, *Russian Syntax* (Oxford); Mirsky, *History of Russian Literature* (Knopf); Struve, *Soviet Literature* (Norman).

HISTORY

100. EUROPEAN CIVILIZATION IN THE MEDIAEVAL AND MODERN PERIODS. *Professors C. C. Bayley, P. Zagorin and Mr. R. Vogel*

205. HISTORY OF COLONIAL EXPANSION.
Second year. *Professor J. I. Cooper*

206. HISTORY OF THE AMERICAS.
Second year. *Professor J. I. Cooper*
(*Not given in 1961-62.*)

210. HISTORY OF GREAT BRITAIN.
Second year. *Professor W. S. Reid*

215. HISTORY OF EASTERN EUROPE.
Second, Third and Fourth years. *Professor Milos Mladenovic*

305. HISTORY OF CANADA.
Third year. *Professor J. I. Cooper*

310. THE RISE OF BRITISH INDUSTRIAL DEMOCRACY SINCE 1815.
Third or Fourth year. *Mr. R. Vogel*

315a. THE SLAVS AND THE HABSBURG MONARCHY (Half course).
3 hours. *Professor Milos Mladenovic*

315b. WAR AND SOCIETY IN EASTERN EUROPE (Half course).
3 hours. *Professor Milos Mladenovic*

(*Save by special consent of the Department, this course is open only to students who have previously taken either History 215 or History 320.*)

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320. THE HISTORICAL BACKGROUND OF CONTEMPORARY EUROPE.

Third and Fourth years. *Professor H. N. Fieldhouse*

(*Not given in 1961-62.*)

325. SOCIETY OF WESTERN EUROPE FROM THE RENAISSANCE TO THE EVE OF THE FRENCH REVOLUTION.

Third and Fourth years. *Professor P. Zagorin*

326. TUDOR AND STUART ENGLAND.

Third and Fourth years. *Professor P. Zagorin*

400. HISTORICAL DEVELOPMENT OF THE INSTITUTIONS OF GREAT BRITAIN.

Fourth year. *Professor C. C. Bayley*

(*Not given in 1961-62.*)

401. TECHNOLOGY AND SOCIETY IN MEDIEVAL AND MODERN EUROPE: A HISTORICAL SURVEY (Full course).

3 hours. *Professor C. C. Bayley*

415. HISTORY OF SOVIET RUSSIA (Full course).

3 hours. *Professor Milos Mladenovic*

(*Save by special consent of the Department, this course is open only to students who have previously taken either History 215 or History 320.*)

416. ECONOMIC HISTORY OF RUSSIA.

Fourth year. *Professor M. Mladenovic*

(*Save by special consent of the Department, this course is open only to students who have previously taken either History 215 or History 320.*)

(*Not given in 1961-62.*)

421. HISTORY OF DIPLOMACY, WITH SPECIAL REFERENCE TO BRITISH FOREIGN POLICY SINCE 1815.

Third, and Fourth years. *Professor H. N. Fieldhouse*

For additional courses in History, see the Announcement of the Faculty of Arts and Science.

HISTORY AS A CONTINUATION SUBJECT

Students who wish to take History as a Continuation Subject must consult the Department as to their programme.

PHILOSOPHY

200. INTRODUCTION TO PHILOSOPHY. Second year (Full course). Special weekly conference groups will bé held under the direction of Professor McKinnon, Mr. Gombay, Mr. McCall and Mr. Ross.

An introduction to the chief problems of Philosophy in connection with their development in Greek, Mediaeval, and more especially in modern times.

Lectures and conferences: 3 hours.

Professors T. G. Henderson and J. W. Miller

300. ETHICS. Second year (Full course). The main types of ethical theory. Lectures and conferences: 3 hours. *Professor A. T. McKinnon*

310. LOGIC AND SCIENTIFIC METHOD. (Full course.) Deductive logic: introduction to modern symbolic logic with emphasis upon applications. Inductive logic and scientific method: verification, probability, hypothesis, and related topics.

3 hours. *Mr. R. S. McCall, Mr. J. D. Ross, and Mr. A. Gombay*

Prerequisite: Philosophy 200, except for Third and Fourth year students of science.

320. AESTHETICS. (Full course.) A philosophical treatment of certain problems in the spheres of art and criticism. Among the subjects discussed will be: the nature of aesthetic experience and of the artistic object; the interpretation of a work of art; artistic form, the criteria of aesthetic value. Illustrations and examples will be drawn from a variety of different arts, including music and poetry.

3 hours. *Mr. R. S. McCall and Mr. J. D. Ross*

Prerequisite: At least one full course in Philosophy. With the consent of the lecturer, special students may be permitted to take this course without this requirement being fulfilled.

(*Not given in 1961-62.*)

330. PHILOSOPHY OF RELIGION. (Full course.) A discussion of the main problems of the philosophy of religion as considered in the works of various philosophers.

Prerequisite: Philosophy 200. *Professor A. T. McKinnon*

340. PHILOSOPHY OF HISTORY. (Full course.) An examination of the nature of historical knowledge. Basic concepts and their philosophical implications. The logical and metaphysical character of modern interpretations of the meaning of history.

Prerequisite: Philosophy 200. *Professor Cecil Currie*

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350. GREEK PHILOSOPHY. Third and Fourth years (Full course). The theory of knowledge and metaphysics of Plato and Aristotle.

3 hours. *Professor T. G. Henderson*

Prerequisite: Philosophy 200 or 300.

360. MODERN PHILOSOPHY. (Full course.) Main problems of modern philosophy, with special reference to the development from Descartes to the present time.

Prerequisite: Philosophy 200. *Professor Cecil Currie*

370. MEDIAEVAL AND RENAISSANCE PHILOSOPHY. (Full course.) Main problems of mediaeval philosophy in their development from St. Augustine to the Fifteenth Century.

3 hours. *Professor Raymond Klibansky*

Prerequisite: Philosophy 200 and 350; or consent of lecturer.

400. ETHICS AND PHILOSOPHY OF POLITICS. (Full course.)

3 hours. *Professor Raymond Klibansky*

Prerequisite: Philosophy 300.

410. PROBLEMS OF LOGIC, EPISTEMOLOGY, AND METAPHYSICS. Full course.)

3 hours. *Professors J. W. Miller and T. G. Henderson*

Prerequisite: Philosophy 200, 310 or 350, 360.

For titles of textbooks, see Announcement of Faculty of Arts and Science.

430. RECENT AND CONTEMPORARY BRITISH PHILOSOPHY. (Full course.)

3 hours. *Mr. A. Gombay, Mr. R. S. McCall, and Mr. J. D. Ross*

Prerequisite: Philosophy 200 and consent of the lecturers.

CONTINUATION COURSES

Students interested in studying Philosophy in conjunction with other subjects are advised to take their courses in Philosophy in the sequences indicated below in connection with the other studies.

1. Philosophy with one or more studies in the social sciences, e.g., economics, history, politics, psychology, and sociology:

Philosophy 200, 300, 310, 330, 350, 370, 400.

2. Philosophy, with one or more studies in the natural sciences, e.g., biochemistry, botany, chemistry, genetics, physics, zoology:

Philosophy 200, 310, 360, 410.

3. Philosophy with studies in English or Foreign Literature:

Philosophy 200, 300, 320, 330, 350, 360, 370.

ROMANCE LANGUAGES

FRENCH

Students registering for First year French have a choice of two courses.

A. *French 120 Advanced*

This course is open to:

(a) students whose first language is French,

(b) those English-speaking students who have obtained at least 80% in their Junior School Certificate or High School Leaving Certificate or the equivalent diploma which secured their admission to the University.

All students who have registered for French 120 will undergo a test at the beginning of the term and those who do not satisfy the requirements will automatically revert to French 110 (Regular).

B. *French 110*

This course is designed (a) to supplement previous training in oral comprehension, grammar and vocabulary so that students can proceed to further courses with an adequate linquistic equipment (b) to teach the basic facts of French civilization which underlie the development of French literature and fine arts.

110. *Open to all students except B.A.1 students.* SURVEY OF CONTEMPORARY FRENCH CIVILIZATION; COMPOSITION AND GRAMMAR REVIEW (Full course).

3 hours. *Professor Romer and Staff*

Texts: Sonet-Shortliffe, *A Review of French Qrammar;* Demarest-Shaw, *French Civilization through fiction* (Ginn); Roy, *La petite poule d'eau* (ed. Torrens, Clarke-Irwin).

120. ADVANCED. General survey of French literature of the 18th and 19th centuries; French composition. (Full course)

3 hours. *Professor Hélène Larivière and other members of the Department*

Texts: Lévèque, *Histoire de la Civilisation française* (Revised Edition) (Holt); Saint-Exupéry, *Vol de Nuit* (Harper); Husson, *La cuisine des anges* (Harper); René Daudon, *French in Review* (Harcourt, Brace and Company).

Students are required to possess a good French-English and English-French Dictionary. Harrap's Shorter French-English and English-French Ed. by J. E. Mansion, M.A. is recommended.

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SECOND YEAR COURSES

220. SURVEY OF FRENCH LITERATURE FROM THE MIDDLE-AGES TO THE 18TH CENTURY. French composition. (Full course.)

3 hours. *Professor Reverchon and Staff*

Prerequisite: French 11 or 120, or permission of the Instructor.

Texts: Castex and Surer, *Manuel des Etudes littéraires françaises, vol. 1 (Moyen-Age, XVIe et XVIIe Siècles)* (Hachette); Bradley-Michell, *Eight Centuries of French Literature* (Appleton-Century-Crofts); Molière, *L'Avare* (Classiques France, Hachette); Racine, *Andromaque* (Classiques France, Hachette); Whitmarsh-Jukes, *Advanced French Course* (Longmans).

210. INTRODUCTION TO FRENCH LITERATURE FROM THE MIDDLE-AGES TO THE 20TH CENTURY THROUGH THE READING OF REPRESENTATIVE MAJOR WORKS; FRENCH COMPOSITION. (Full course.)

3 hours. *Professor Champigneul and Staff*

Prerequisite: French 13 or 110, or the equivalent.

Texts: McGill University French Staff, *Précis de Littérature française* (McGill Book Store); *La farce de Maître Pathelin;* Molière, *L'Avare;* Voltaire, *Zadig* (all in Petits Classiques Larousse); Balzac, *Le père Goriot* (Ed. R. L. Sanderson, Heath); Sartre, *Les mains sales* (Livre de poche); Whitmarsh-Jukes, *Advanced French Course* (Longmans).

Readings: Molière, *Le bourgeois gentilhomme;* Flaubert, *Trois contes* (both in Petits Classiques Larousse).

THIRD YEAR COURSES

300. FRENCH LITERATURE OF THE 17th CENTURY. (Full course.)

3 hours. *Professor Hélène Larivière*

Prerequisite: Any Second year French course.

Texts: Castex and Surer, *Manuel des Etudes littéraires françaises: XVIIe siècle* (Hachette); Peyre and Grant, *Seventeenth Century French Prose and Poetry* (Heath); Seronde and Peyre, *Nine Classic French Plays* (Heath).

Readings: Corneille, *Le Cid* and *Horace;* Racine, *Andromaque* and *Phèdre;* Molière, *L'Ecole des Femmes* and *Tartuffe;* Pascal, *Pensées;* Bossuet, *Oraison Funèbre d'Henriette d'Angleterre;* Mme de Sévigné, *Lettres choisies;* La Fontaine, *Faibles choisies;* Mme de La Fayette, *La Princesse de Clèves.*

310. FRENCH LITERATURE OF THE 18TH CENTURY. (Full course.)

3 hours. *Professor Marie-Thérèse Reverchon*

Prerequisite: Any Second year French course.

Texts: Castex and Surer, *Manuel des Etudes littéraires françaises: XVIIIe siècle* (Hachette); A. Schinz, *Eighteenth Century French Readings* (Holt); Marivaux, *Le jeu de l'amour et du hasard* (Heath); Voltaire, *Candide* (Holt); Beaumarchais, *Le Barbier de Séville* (Holt).

Readings: Lesage, *Gil Blas* (Extraits); Montesquieu, *Les Lettres persanes;* Voltaire, *Les Lettres philosophiques;* Diderot, *Le Neveu de Rameau;* Beaumarchais, *Le Mariage de Figaro;* Rousseau, *Confessions* (Extraits).

330. THE LITERATURE OF FRENCH-CANADA FROM ITS ORIGIN TO THE PRESENT DAY. (Full course.)

3 hours. *Dr. Deschamps*

Prerequisite: Any Second year French course. (Fourth year B.A. students wishing to take this course must obtain permission of the Instructor.)

Texts: Ph. A. de Gaspé, *Les Anciens Canadiens* (Beauchemin); Hémon, *Maria Chapdelaine* (Hachette); Ringuet, *Trente Arpents* (Le Nénuphar); Lemelin, *Au pied de la pente douce* (Institut Littéraire, Québec); Locqwell, *Les Elus que vous êtes* (Institut Littéraire, Québec); Giroux, *Au-delà des visages* (Institut Littéraire, Québec); Roy, *La petite poule d'eau* (Beauchemin); Anne Hébert, *Poèmes* (Ed. du Seuil); Saint-Denys Garneau, *Regards et Jeux dans l'espace* (Fides).

Reference: Tougas, *Histoire de la littérature Canadienne-Française* (Presses Universitaires de France).

FOURTH YEAR COURSES

400. FRENCH LITERATURE OF THE 19TH CENTURY (Full course).

3 hours. *Dr. Jones*

Prerequisite: French 31 (or *300*) or *French 32* (or *310*) or *French 330.*

Texts: Penguin Book of 19th Century French Verse; Musset, *Lorenzaccio* (Petits Classiques Larousse); Balzac, *Le Père Goriot* (Nelson); Flaubert, *Madame Bovary* (Garnier); Zola, *Germinal* (Livres de poche); Gide, *La Porte Etroite* (Mercure de France); Castex-Surer, *Manuel des Etudes littéraires francaises: XIXe siècle* (Hachette).

410. FRENCH LITERATURE OF THE 20TH CENTURY. (Full course.)

3 hours. *Professor Larivière*

Prerequisite: French 31 (or *300*) or *French 32* (or *310*) or *French 330.* (*Given in 1962-63.*)

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440. MODERN FRANCE—GEOGRAPHICAL OUTLINE—POLITICAL, SOCIAL, AND ECONOMIC ASPECTS OF FRENCH LIFE, SINCE 1870. (Full course.) (*Open to Third year students* with permission of the Instructor.)

3 hours. *Professor Launay*

Prerequisite: Completion of at least two Junior French courses, with Second Class standing, and an ability to take notes in French.

FRENCH CONTINUATION:

Second year: French 210 or 220.

Third year: French 300, 310 or 330.

Fourth year: French 400, 410 or 440.

SPANISH

100. FIRST YEAR. (Full course)

Grammar, reading and dictation, oral exercises and composition.

3 hours. *Professor Robina E. Henry and Staff*

200. SECOND YEAR (Full course)

Further readings in literature, translation, free composition, conversation.

3 hours. *Professors R. E. Henry and G. F. Siegen*

230. INTRODUCTION TO SPANISH-AMERICAN LITERATURE. (Full course)

3 hours. *Professor L. B. Harrop*

300. THIRD YEAR. (Full course)

Novelists of 19th Century. Advanced composition, translation, conversation.

3 hours. *Dr. Monica Harvey*

310. SPANISH LITERATURE. Third year (Full course). A "great writers" course covering the masterpieces of Spanish literature.

3 hours. *Professor L. B. Harrop*

340. SPANISH CIVILIZATION. (Full course)

3 hours. *Dr. Enrique Ruiz-Fornells*

400. THE GOLDEN AGE. Fourth year (Full course).

3 hours. *Professor L. B. Harrop*

420. CERVANTES. (Full course)

3 hours. *Professor L. B. Harrop*

430. SPANISH-AMERICAN LITERATURE. Fourth year (Full course).

3 hours. *Dr. Ruiz-Fornells*

Open to Third year students with permission of the Department.

N.B.: For titles of textbooks, see Announcement of Faculty of Arts and Science.

CONTINUATION IN SPANISH:

Second year: Spanish 200 or 230.
Third year: Spanish 300 or 340.
Fourth year: Spanish 400, 420 or 430.

ITALIAN

Two sets of courses are offered in Italian literature:

(a) *Courses given in Italian* (Courses 300 and 400): Intended for B.A. students taking Italian as a continuation subject, Italian 100 and 200 (or their equivalent) will be prerequisite for these courses.

(b) *Courses given in English* (Courses 375 and 385): These are open to all students, and do not require a knowledge of the Italian language.

100. FIRST YEAR. (Full course.) Grammar, reading, oral exercises, and composition.

3 hours. *Professor A. D'Andrea and Miss Stewart*

200. SECOND YEAR. (Full course.) Grammar, free composition, conversation. A survey of Italian literature from the origins to Manzoni.

3 hours. *Professor A. D'Andrea and Miss Stewart*

300. THIRD YEAR—MANZONI AND THE ITALIAN LITERATURE OF THE "RISORGIMENTO." (Full course.) Italian conversation, composition and elementary stylistics.

3 hours. *Professor A. D'Andrea*

400. FOURTH YEAR—CIVILIZATION AND LITERATURE OF CONTEMPORARY ITALY. (Full course.) Italian conversation, composition and stylistics.

3 hours. *Professor A. D'Andrea*

375. ITALIAN LITERATURE: DANTE AND THE MIDDLE AGES. (Half course.)

Lectures will be given in English. Students are not required to take the language courses as prerequisites.

First term: 3 hours. *Professor D'Andrea*

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385. ITALIAN LITERATURE: THE RENAISSANCE AND MACHIAVELLI. (Half course.)
Lectures will be given in English. Students are not required to take the language courses as prerequisites.

Second term: 3 hours. *Professor D'Andrea*

Italian 375 and 385 may be taken separately or in combination. If taken in combination, they offer an opportunity to study such major writers as Dante, Petrarca, Boccaccio and Machiavelli. Special emphasis will be placed on the cultural contacts of England and Italy during the Middle Ages and the Renaissance.

N.B.: For titles of textbooks, see Announcement of Faculty of Arts and Science.

SECTION III

OPTIONS IN COMMERCE AND THE SOCIAL SCIENCES

ACCOUNTING

(Professor Kenneth F. Byrd - Adviser)

301. ACCOUNTING AND AUDITING. Third year (Full course). More advanced treatment of the work of the first two years. Consignment accounts; branch accounts; statement analysis; statements of source and application of funds; elementary treatment of amalgamations and reconstructions of limited companies. Definition of auditing; accounting and auditing distinguished; objects and advantages of different classes of audit. Detailed consideration of auditing theory; internal check and the auditor; the rights, duties, and responsibilities of auditors with reference to leading decisions in the courts; the discovery of errors and fraud; requirements under the Dominion and Quebec Companies Acts; divisible profits and dividends. Audit procedure at all stages, vouching and verification, checking the postings, auditing the final accounts; programmes and working papers, audit certificate and reports.

Reference is made throughout to bulletins of the Canadian Institute of Chartered Accountants, in relation also to those of the accountancy profession in the United States and Great Britain.

Professors K. F. Byrd and D. R. Patton

401. ACCOUNTING, AUDITING AND INVESTIGATIONS. Fourth year (Full course). Revision of the work of previous years. Joint ventures. Instalment sales. Preparation of consolidated accounts of Holding and Subsidiary Companies including subsidiaries. More advanced treatment of amalgamations

(consolidations) and absorptions (mergers) including inter-company holdings; accounting for capital reorganization and reconstruction. Advanced Accounting Theory in general.

More advanced auditing. Investigations: for fraud; certification of profits for prospectus purposes; sale of business by sole traders, partnerships, limited companies, with valuation of goodwill; valuation of shares; schemes of conversion to limited liability; schemes of amalgamation (consolidation) and absorption (merger); schemes of reorganization and reconstruction.

Professor K. F. Byrd

402 (a) COST ACCOUNTS AND BUDGETARY CONTROL. Fourth year (Half course). COST ACCOUNTS: Definition of cost accounting, its aims and objects; elements of cost, accounting for the purchase, storage, and issue of materials; accounting for labour; schemes of remuneration of labour including incentive schemes, co-partnership and profit-sharing; accounting for overheads, with methods of apportionment to departments and production; double entry cost accounting; job costs; process costs; estimating cost systems; standard costs and accounting for variances; closing the accounts at balance sheet date, preparation of operating statements.

BUDGETARY CONTROL: Preparation of the budget, including flexible budgets.

Professor D. R. Patton

402 (b) INCOME TAX, BANKRUPTCY AND LIQUIDATION, EXECUTORSHIP ACCOUNTS. Fourth year (Half course).

Income Tax: Principles and legal provisions (federal) and their application to the problems of assessment of individuals, partnerships and limited companies.

Particular attention to the loss carry-back and carry-forward provisions, the treatment of capital cost allowances, the avoidance of double taxation of undistributed income, personal corporations.

Payment of tax by individuals, partnerships and limited companies.

Objections and appeals: the income tax special court and higher courts.

Bankruptcy and Liquidation: Receiver's accounts: the marshalling of assets and liabilities; the statement of affairs; the deficiency account; statement of realization and liquidation; the duties of the trustee.

Executorship Accounts: Accounting for capital and income in deceased estates; statements of charge and discharge; calculation of Canadian estate tax.

Professor K. F. Byrd

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ACTUARIAL MATHEMATICS

(Professor H. Tate - Adviser)

323. ELEMENTARY STATISTICS (Full course). Use and misuse of Statistics; Elementary probability and probability distributions; the normal distribution; significance tests; methods of classifying data; sampling from the normal; confidence regions.

3 hours. *Professor Guttman*

Prerequisite: Mathematics 224.

Texts: S. S. Wilks, *Elementary Statistical Analysis* (Princeton); Wallis and Roberts, *Statistics: A New Approach* (Free Press).

329. THEORY OF INTEREST AND INSURANCE (Full course). Simple and compound interest, discount, annuities certain, sinking funds, bonds, mortgage amortization, depreciation. Mortality tables; Single-life annuities and assurances; premiums, reserves, dividends, basic contract provisions.

3 hours. *Professor Tate*

Prerequisite: Mathematics 224.

330. FURTHER CALCULUS AND DIFFERENTIAL EQUATIONS (Full course). Hyperbolic functions, partial differentiation, infinite series, multiple integrals, differential equations. Solution of ordinary differential equations; linear differential equations, especially with constant coefficients; solution by series.

3 hours. *Professor Solin*

Prerequisite: Mathematics 224.

435. HIGHER ALGEBRA (Full course). The number system; introduction to the concepts of group, ring and field; polynomials and theory of equations; matrices and determinants; systems of linear equations.

3 hours. *Professor* ———

Prerequisite: Mathematics 224.

Texts: Marie J. Weiss, *Higher Algebra for the Undergraduate* (John Wiley and Sons, Inc.); Kemeny, Snell and Thompson, *Introduction to Finite Mathematics* (Prentice-Hall).

443. METHODS OF NUMERICAL ANALYSIS (Full course). Approximation methods for solving algebraic and transcendental equations, solution of systems of linear equations, inversion of matrices, computation of eigen values and eigen vectors of matrices, orthogonal functions.

2 hours and laboratory. *Professor Schwerdtfeger*

Prerequisites: Mathematics 224 and 330.

450. THEORY OF LIFE CONTINGENCIES (Full course). Finite Differences. Theory of interest. Single and Multiple Life Functions.

3 hours. *Professor Ritcey*

Prerequisites: Mathematics 224, 323, 330 (which may be taken concurrently).

Text: C. W. Jordan, *Life Contingencies* (Society of Actuaries).

MANAGEMENT AND MARKETING

(Professor W. H. Pugsley - Adviser)

301. ELEMENTS OF MARKETING. Third year (Full course). An introductory study of the commercial distribution of goods and services. The course examines organization for and methods of distributing industrial and consumer goods and services with particular attention to product policy (brands, new introductions), channels of distribution (selection, discount structure), and selling (promotion, organization, pricing, sales programs). The course includes an appraisal of distribution costs in general, also of trends in marketing and trends in legislation affecting marketing.

3 hours. *Professor W. H. Pugsley*

360. BUSINESS ORGANIZATION AND ADMINISTRATION. Third year (Full course). Nature, variety and scope of business; risks and the role of management; legal structure of the firm; the board of directors and trusteeship; determination of objectives and policy-making; internal organization and the delegation of authority; plant location, functional and line production; marketing objectives and channels of distribution; budgets and business finance; the role of research; coordination and control; personnel, social obligations of business and relations with government. Attention will also be given to business case material intended to help the student to develop analytical ability, particularly for business report writing, and decision-making skill.

3 hours. *Professor W. H. Pugsley*

460. PROBLEMS IN BUSINESS POLICY. Fourth year (Full course). Selected business case problems embracing the top management viewpoint: problems, policies, plans and personalities; sizing up situations; formulating policies and planning programs of action; organizing administrative personnel and putting plans into action; control, day-to-day administrative problems, follow-up and reappraisal. The problems are mostly as seen from the area where objectives are set for the company as a whole, and departmental policies and activities are coordinated. Emphasis is placed on the overall point of view to bring out the importance of the

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firm's choice of basic objectives, and how each section or department of a business needs to be managed to make the most effective contribution to these objectives.

Prerequisite: Business Organization and Administration 360.

3 hours. *Professor W. H. Pugsley*

FINANCE

(Professor P. C. Briant - Adviser)

421. PUBLIC FINANCE. Third or Fourth year (Full course). A seminar course divided into three parts. 1. The theory of public finance. 2. A study of Canadian public finance at the federal, provincial and municipal levels. 3. Special problems of Canadian public finance. Emphasis will be placed on Part 3, which will include consideration of such topics as tax-rental agreements, regional redistribution of income by provincial and federal governments, the effects of the Canadian tax structure on business, and the problem of stabilizing employment in the Canadian federation.

3 hours. *Professor D. E. Armstrong*

424. INTERNATIONAL TRADE AND FINANCE. Third and Fourth year (Full course). 1. Volume and composition of international trade; international commodity markets; international money and capital markets; dynamics of trade and investment. 2. International analysis and international trade; international income flows and the mechanism of adjustment; international income flows and the level of economic activity; international trade and the international allocation of resources; the distribution of income under free and restricted trade; the gains from free and restricted trade; the international spread of income changes. 3. Ends of international economic policy; post-war recovery programmes; international monetary funds, and international monetary and exchange-rate policy; tariffs, trade agreements, and the struggle for multilateralism; the problems and possibilities of international investment; direct and portfolio; Export-Import Bank; International Bank; future of private investment and multilateral trade. *Dr. Pal*

Prerequisite: Economics 321.

425. INVESTMENT ANALYSIS AND CORPORATION FINANCE. Fourth year (Full course). Part I—The nature of investment; capital markets; investment funds; classes of securities; concepts of income, risk, value and appreciation; analysis of financial statements; stock market; investment policy. Part II—Forms of business organization; growth of the corporation; the managerial revolution; sources of funds; management of fixed and working capital; ratio analysis; expansion, reorganization and valuation.

3 hours. *Professor P. C. Briant*

GEOGRAPHY

(Professor F. K. Hare - Adviser)

N.B. *The first digit of each course number shows the academic year for which the course is mainly designed. Students in other years may, however, register for any course provided (i) that they have the prerequisites, and (ii) that general registration requirements are fulfilled.*

111. INTRODUCTION TO HUMAN GEOGRAPHY (Full course). The basic principles of geography illustrated from appropriate parts of the world. The major geographical regions of the earth, the resources, human societies and industries characteristic of each. Geographical aspects of international relations.

3 hours. *Professor Lloyd*

(In Arts Division) *No prerequisite.*

212. WORLD ECONOMIC GEOGRAPHY (Full course). The relations of people, space, resources, culture and technology. Appraisal of agricultural and industrial resources. The major economic activities and agricultural and industrial regions of the world. Types and patterns of transportation and world trade.

3 hours. *Professor Hills*

(In Arts Division) *Prerequisite:* Geography 111 or 121.

311. NORTH AMERICA. (Full course.) Canada and the United States are divided into a small number of natural regions. In each region the physical environment as a background to man's development is first studied. Then in turn, occupation by Indian and European peoples is discussed, leading up to an examination of the present cultural landscape. The part played by the region in the life of the country and some of its problems are analysed.

3 hours. *Mr. G. Michie*

(In Arts Division) *Prerequisite:* Geography 211.

316. ECONOMIC GEOGRAPHY (Full course). The influence of geographical factors on economic activity. A functional appraisal of resources both industrial and agricultural; the demands made upon these resources in the past. The location of industry especially the iron and steel industry. The origins and development of modern agriculture. Crops and agricultural practices in the major agricultural regions of the world. The role of the forests and marine resources in the subsistence economies.

3 hours. *Professor T. L. Hills*

(In Arts Division) *Prerequisite:* One of Geography 121 or 211 or Geology 121.

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319. THE SOVIET UNION AND EASTERN EUROPE (Full course). Position, relief, and structure; general physical characteristics, including climate, soil, vegetation, and physiography. The territorial development of Russia. Ethnic groups. Migration and settlement. Population distribution. Land use, agriculture, mining, and other industries. Recent developments and social significance of economic life. Urbanization. The administrative structure of the Soviet State and of eastern European nations.

3 hours. *Professor Lloyd*

Prerequisite: Geography 212.

414. THE HUMID TROPICS (Full course). A comparative regional study of the humid tropical environment with special emphasis on Latin America and the Caribbean. A study of indigenous economies; expansion of mid-latitude nations and colonialism. Present day problems of overpopulation and underdevelopment. Agricultural and industrial potentialities.

Professor T. L. Hills

INDUSTRIAL RELATIONS

(Professor H. D. Woods - Adviser)

ECONOMICS 341. THEORY AND PRACTICE OF THE LABOUR MOVEMENT. Third year (Full course). This course will deal with the historical development of the labour movement and will include consideration of trade unionism, corporations and credit unions, and the political activities of labour. It will be confined principally to Canada, the United Kingdom and the United States. Various theories of the labour movement will be examined critically, and the organization, structure, and functioning of Canadian labour and collective bargaining will be examined in considerable detail. Public policy and the functions of public agencies concerned with the application of social policy will also be reviewed.

3 hours. *Professor H. D. Woods*

ECONOMICS 342. LABOUR ECONOMICS. Third year (Full course). An examination of the major areas in the field of the economics of labour: labour markets, labour force and population, industrial and occupational trends in manpower utilization, wage determination, the evolution of wage structures, the economic impact of the union, government policy in the labour field, unemployment, wages hour policy, social security. Insofar as it is possible, special attention will be paid to Canadian aspects of the various topics.

3 hours. *Professor S. Ostry*

441. INDUSTRIAL RELATIONS. Third and Fourth year (Full course). An introduction to the problems of employer-employee relations, including

the management of personnel, legislation, employee organizations, and the State function and public interest in industrial relations.

3 hours. *Professor H. D. Woods*

ECONOMICS 442. INDUSTRIAL RELATIONS SYSTEMS. Fourth year (Full course). This course involves a comparative study of industrial relations systems in various countries of the world. Emphasis will be placed on the character of worker and employer organization and their interrelationships and the place of the state in industrial relations in the various countries.

Prerequisite: Economics 341 or 342. Students without the prerequisite may be admitted by permission of the instructor.

3 hours. *Professor Woods*

N.B.—Students who have taken Psychology 21 in their Second year and who are following the Industrial Relations concentration may substitute approved courses in Psychology or Sociology for Economics 412, Commercial Law or Economics 361.

PSYCHOLOGY

(Professor E. C. Webster - Adviser)

Second year

21. INTRODUCTION TO PSYCHOLOGY (Full course). A biologically oriented outline of the modern approach to psychology.

2 hours and one weekly conference.

Professors D. O. Hebb and M. Stern

Third year

35. PERSONALITY AND ITS SOCIAL CONTEXT (Full course). An introductory study of both personality and social psychology which treats the nature and development of personality and stresses its social determinants.

3 hours. *Professor V. Douglas*

Fourth year

42. SOCIAL PSYCHOLOGY (Full course). An integrated study of theory of social psychology; social aspects of general psychology; nature and effects of group memberships; social attitudes and motives, their measurement and modification.

3 hours. *Professor W. E. Lambert*

47. INDUSTRIAL AND COUNSELLING PSYCHOLOGY (Full course). A critical survey of the applications of psychology to business, industry and human relations with particular reference to the empirical basis of personnel selection, training, and counselling.

3 hours. *Professor C. Anderson*

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Prerequisites: Two previous full courses in Psychology (It is recommended that Psychology 35 be included in these).

Students in Commerce desiring to prepare for a two year M.Sc. (Applied) degree course in personnel and industrial psychology should consult Professor Webster prior to registering in Fourth year.

PUBLIC ADMINISTRATION

(Professor J. R. Mallory - Adviser)

211G. COMPARATIVE GOVERNMENT. Second year (Full course). An Analysis of the basic concepts of Political Science, with illustrations drawn mainly from the experience of constitutional and dictatorial government as practised in certain modern states.

3 hours. *Professor K. B. Callard*

325b. THE GOVERNMENT OF THE UNITED STATES. Third or Fourth year (Half course). A study of the Constitution, the political institutions, and the working of Congressional Government in the United States.

Second term: 3 hours. *Professor K. B. Callard*

331. (Economics) ECONOMIC POLICY. Third and Fourth year (Full course). A study of governmental economic policy in its political and administrative setting. Topics to be discussed will include monetary-fiscal policy, commercial policy, labour and social security, and economic planning. Canadian aspects of these problems will be stressed.

3 hours. *Professors Irving Brecher and S. Ostry*

Prerequisites: Economics 211C, G, or H, and Political Science 211G or H or 212. This course may be taken for continuation in Political Science.

335a. (Economics) MONOPOLY, COMPETITION, AND PUBLIC POLICY. Third and Fourth year (Half course). A study of the structure and performance of industrial markets, with particular emphasis on the problems of maintaining effective competition. Canadian, American and British experience will be examined. Readings will cover leading law cases, as well as relevant economic literature.

341. PUBLIC ADMINISTRATION. Third and Fourth year (Full course). A study of the machinery of government, with examples drawn mainly from Canada, the United States, and the United Kingdom. The increasing size and complexity of modern government; the problem of bureaucracy; central control of policy; the civil service; other agencies of government,

regulatory and commercial; the legislature and the administration; the courts and the administration; public control and accountability.

2 hours and conference. *Professor K. B. Callard*

(*Not given in 1961-62.*)

351. GOVERNMENT OF CANADA. Third and Fourth year (Full course). The working of parliamentary federalism in Canada. The problems of federal-provincial relations; the structure of parliamentary government; the evolution of national status.

3 hours. *Professor J. R. Mallory*

SOCIOLOGY AND ANTHROPOLOGY

(Professor David N. Solomon - Adviser)

210. INTRODUCTION TO SOCIOLOGY. Second year (Full course). A general introduction to sociological theory and the analysis of groups in modern society. The course covers comparative cultures, the social development of the individual, ethnic and class groupings, characteristics of urban life, social change, and institutional structures.

3 hours.

301. ANALYSIS OF INDUSTRIAL SOCIETIES. Third year (Full course). Comparative treatment of the social systems of such modern industrial societies as the United States, Soviet Russia, England, Japan, and Canada. Categories of analysis include kinship, occupation, property, stratification, the organization of authority and major values.

3 hours. *Professor Howard E. Roseborough*

302. MINORITY GROUPS AND THE COMMUNITY. Third year (Full course). The rise of modern urbanism; patterns and theories of urban growth; the participation of minority groups in urban institutions; the relation of minority groups to the class and caste structure; problems of upward and downward mobility; dominant group attitudes and ideologies concerning minority groups; the effect of minority group membership on the individual.

3 hours. *Professor Aileen D. Ross*

304. TECHNIQUES OF SOCIOLOGICAL RESEARCH. Third year (Full course). An introduction to the practical and theoretical problems of sociological research. Among the topics discussed are the formulation of research problems, the selection of samples, and the analysis and interpretation of data. Among the techniques are observation, interviewing, and questionnaire construction.

3 hours. *Professors Howard E. Roseborough and David N. Solomon*

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402. SOCIOLOGY OF WORK. Fourth year (Full course). Work will be considered from two points of view: (A) The professions and other specialized occupations: occupational choice and mobility; types of careers; problems of achieving conformity to occupational norms; professional and trade associations; self-involvement in an occupation. (B) Industrial and other work organizations: formal and informal organization; roles of managers, executives, technical specialists, foremen, and workers; the concept and dynamics of bureaucracy; industry and society.

3 hours. *Professor David N. Solomon*

411b. SOCIAL STRATIFICATION. Fourth year (Half course). The theory of caste and class divisions in modern society; the structure of class groups in the United States and Canada; the criteria of rank and the symbols associated with rank; the relationship between occupation, education, and class position; problems of upward and downward mobility.

3 hours. *Professor Aileen D. Ross*

(*Not given in 1961-62.*)

440b. POPULATION AND MIGRATION. Fourth year (Half course). Populations and their composition; age, sex, and language groupings; birth rates, death rates, and population growth; the structure of the labour force, and changes therein; international migration, domestic migration, and the forceful transfer of populations; immigration policies. Major emphasis on the Canadian scene.

3 hours. *Professor Howard E. Roseborough*

(*Not given in 1961-62.*)

SCIENCE IN ECONOMIC LIFE

This course is designed to give the student an understanding of the impact that science and technology has had upon economic life and of the manner in which science and technology can be utilized to man's advantage.

SCIENCE IN ECONOMIC LIFE (Chemistry 70) — (Full course).

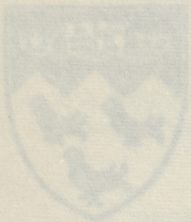
Some of the principal topics to be considered are the following: the special character of science, pure and applied; the general history of science and technology in Western Europe and North America; a detailed history of an applied science (chemistry) in Canada; the role of science in providing the necessities of life; future prospects for novel materials and power sources; role of research and development in commercial enterprises; patents; economic factors affecting the viability of manufacture, with particular reference to the Canadian chemical industry.

2 hours. *Professor Nicholls*

Text: Selected readings.

McGill University

Montreal



Faculty of Engineering

Including the School of Architecture

1961-1962

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McGill University

Montreal

Faculty of Engineering

Including the School of Architecture

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PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Institute of Education
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, and School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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Faculty of Engineering

OFFICERS AND COMMITTEES

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C.
Principal

David L. Thomson, M.A., Ph.D., D.Sc., LL.D., F.C.I.C., F.R.S.C.
Vice-Principal

Donald L. Mordell, M.A.
Dean of the Faculty

George W. Joly, B.A., M.Eng.
Assistant Dean of the Faculty

John Bland, B.Arch., A.M.T.P.I., F.R.A.I.C., A.R.I.B.A.
Director of the School of Architecture

G. A. Grimson, B.Com.
Comptroller

J. H. Holton, B.Com.
Secretary of the Board of Governors

Colin M. McDougall, D.S.O., B.A.
Registrar

Richard Pennington, B.A., Lib.Dip.
University Librarian

E. Clifford Knowles, B.D., M.A., D.D.
University Chaplain and Student Counsellor

Secretary of the Faculty

A complete list of the teaching staff of the University, including the Faculty of Engineering, is printed as a separate announcement which may be obtained from the Registrar's Office.

STANDING COMMITTEES OF THE FACULTY

ADMISSION TO ADVANCED STANDING FROM OTHER UNIVERSITIES

Professors ———— (*Chairman*), Joly, Pavlasek, and Phillips

CURRICULUM

Dean Mordell (*Chairman*), Professors Bland, Morrison, Phillips, Bruce, d'Ombrain, Craig, and Joly

EMPLOYMENT

Professors Morrison (*Chairman*), Pakalnins, and Cherna

ENGINEERING PHYSICS

Professors d'Ombrain (*Chairman*), Farnell, Pounder, Rosenthall, P. R. Wallace, and Woonton

INVIGILATION

Professor Salman (*Chief Invigilator*)

LIBRARY

Provessors Barton (*Chairman*), Newman, Shelstad, Yong, and Bruce

REGISTRATION

Professors Cherna (*Chairman*), Barton, Mathison, Schreiber, and Shelstad

RESEARCH

Professors Yates (*Chairman*), Collins, de Stein, Farnell, Geldart, and Stachiewicz

SCHOLARSHIPS, BURSARIES, AND LOANS

Professors Bruce (*Chairman*), de Stein (*Vice-Chairman*),
Bland, Marshall, Stachiewicz,
Morrison, Phillips, Rosenthall, and Yates

STANDING AND PROMOTION

Dean Mordell (*Chairman*), Professors Joly, Bland,
Bruce, and Craig

TECHNICAL PAPERS

Professors Neilson (*Chairman*), Barton, Edis, Farnell, Mathison,
Mennie, Morrison, Phillips, Salman, Schippel, and Yates

TIME TABLE

Professors Comsa (*Chairman*), Bland, Young and Douglas

Faculty of Engineering

GENERAL INFORMATION AND REGULATIONS

The purpose of the courses of instruction offered by the Faculty of Engineering is to provide training in science and its application to the practice of engineering in its various fields. The School of Architecture is a part of the Faculty of Engineering.

Commencing with the session 1949-50 the training in engineering was changed from one pre-engineering year in the Faculty of Arts and Science and four years in the Faculty of Engineering to five years in the Faculty of Engineering.

COURSES AND DEGREES

ENGINEERING

DEGREES OFFERED: Bachelor of Engineering (B.Eng.), in the departments of Chemical, Civil, Electrical, Mechanical, Metallurgical, and Mining Engineering, and in Engineering Physics, mention being made in the diplomas of the particular course of study pursued.

Students who take the Bachelor of Engineering degree in one course may graduate in another course by attending one or more subsequent sessions and passing the prescribed additional examinations.

PERIOD OF STUDY: Five years.

ENTRANCE QUALIFICATIONS: First year, Junior Matriculation; Second year, Junior and Senior Matriculation with sufficiently high standing. (See pages 1411 and 1412.) The entrance requirements for students of United States schools and for students from Great Britain are stated on page 1413. Students who meet the above requirements apply to the Registrar's Office for admission.

ARCHITECTURE

DEGREE OFFERED: Bachelor of Architecture (B.Arch.).

PERIOD OF STUDY: Six years.

ENTRANCE QUALIFICATIONS: The entrance requirements in Architecture are the same as those for the Engineering courses (see above). The length of the course is six years, the First year being identical with the First year in the Faculty of Engineering.

PRIVILEGES OF THE HOLDERS OF THESE DEGREES

Among the privileges enjoyed by graduates of the Faculty of Engineering the following may be specially mentioned:

(1) By a resolution of the Institution of Civil Engineers of Great Britain, the holders of the degree of B.Eng., who are desirous of becoming Associate Members of the Institution, may be exempted from Parts A and B of the examinations prescribed for admission to the Institution.

(2) By the Dominion Lands Surveys Act, any graduate in civil or mining engineering may have his term of apprenticeship for the Dominion Land Surveyor's certificate shortened from three years to one.

(3) Holders of the degree of B.Eng. are admitted to practise in Quebec upon graduation, provided that they register with the Corporation of Professional Engineers of Quebec upon entering the Faculty. Students entering the Faculty should therefore obtain the necessary application forms from the Dean's Office, complete them, and return them to that office.

(4) The School of Architecture is recognized by the Royal Institute of British Architects and the instruction given meets the requirements of the Board of Architectural Education of that body. Students who obtain the degree of B. Arch. are exempted from the final examination for the associateship of the Royal Institute except in the subject of professional practice, in which they are required to take a paper set by the Institute's examiners. On passing this they are eligible for candidature as "Associate R.I.B.A."

(5) The Province of Quebec Association of Architects admits holders of the degree of B.Arch. to membership, and thereby to practise in the Province, on passing an examination in professional practice and after spending one year in the office of a member of the Association.

GENERAL

The undergraduate work of the University in Architecture and in the following fields of Engineering: Chemical, Civil, Electrical, Mechanical, Metallurgical, Mining and Engineering Physics, is done in the Faculty of Engineering.

AGE OF ADMISSION

Except in special circumstances, no student under the age of sixteen is admitted to the First year, or under the age of seventeen to the Second year.

MEN AND WOMEN

Both men and women are admitted to the Faculty of Engineering.

THE TWO TERMS

The regular session is divided into two terms, the first starting about the 25th of September and the second starting about the 12th of January. (For Calendar, see the General Information Pamphlet.) Students commencing a year in the Faculty are normally permitted to enter only in the first term.

ENTRANCE REQUIREMENTS

Eligibility to enter the University through Junior or Senior Matriculation is determined fundamentally by reference to the standards maintained by the McGill School Certificate Examinations. These examinations are described in the School Certificate Examinations Announcement, but the names of the required papers are given below. Certain other public examinations also recognized for admission to the University are listed on page 1412.

All Canadian and U.S. students who apply for admission at Junior or Senior Matriculation level in 1962 and subsequent years must take the tests offered by the College Entrance Examination Board. These consist of the Scholastic Aptitude Test (in two parts—Verbal and Mathematical) and three Achievement Tests selected by the student in consultation with his school principal. The English Composition test is compulsory; the other two tests may be chosen from any of the following: Intermediate Mathematics, *or* Advanced Mathematics; Physics; Chemistry; Biology; French; Latin; German; Spanish; and, for United States applicants only, Social Studies.

These tests must be written not later than in March of each year. The tests may be written on one testing date, but it is recommended that applicants write the Scholastic Aptitude Test in December or January, and the three Achievement tests in January or March. The cost to the student for writing the full set of tests is $13.00. Students from the eastern parts of Canada and the United States may obtain information about tests, and test centres, etc. by writing to the College Entrance Examination Board, Box 592, Princeton, New Jersey; students from the west should write to: College Entrance Examination Board, Box 27896, Los Angeles 27, California.

A student with incomplete qualifications cannot be admitted as a regular undergraduate.

ENTRANCE THROUGH McGILL SCHOOL CERTIFICATE EXAMINATIONS—

ENTRANCE TO THE FIRST YEAR —Junior Matriculation

For admission to the first year of the B.Eng. courses a candidate must pass the following papers in the University's Junior School Certificate Examination, and obtain an over-all average of at least 70%. A mark of at least 50% is required in each paper. Students from the Province of Quebec who are applying for admission into First year must offer Trigonometry and Intermediate Algebra as Junior Matriculation subjects. Only in exceptional circumstances will this requirement be waived.

No. of Papers	Subject
2	English
1	General History
2	French *or* German (both papers)
1	Elementary Algebra
1	Elementary Geometry
1	One of the following: Biology; Botany; Chemistry; Physics
2	*Either* Latin *or* Spanish *or* French *or* German (if not already chosen), *or* any two of the following papers not already chosen. (a) Intermediate Algebra (b) Trigonometry (c) Biology *or* Botany (Biology and Botany may not both be chosen) (d) Chemistry (e) Geography (f) Physics (g) British History *or* Canadian History (both may not be chosen) (h) Music *or* Drawing (Music and Drawing may not both be chosen) (i) North American Literature.

ENTRANCE TO THE SECOND YEAR —Senior Matriculation

English
Mathematics (Algebra, Trigonometry, *and* Co-ordinate Geometry)
Physics
Chemistry
French *or* German* *or* Spanish *or* Greek *or* Latin *or* Biology *or* Geography *or* History.

EXAMINATIONS RECOGNIZED FOR ADMISSION TO THE UNIVERSITY

McGill University recognizes a number of public examinations as conferring, under certain circumstances, Junior or Senior Matriculation standing for admission to the Faculty of Engineering and to other faculties and schools.

The Admissions Committees of the various faculties require generally that:

(1) The certificate has been obtained under no easier conditions than those of McGill Matriculation.

(2) The subjects of the examination and the school course followed are those the University requires.

(3) The school records and confidential reports are satisfactory.

Candidates who wish to enter by certificate should in no circumstances come to the University without first having obtained an official acceptance of their application.

The following gives a brief outline of the certificates and examinations which will be considered on their merits towards meeting the University entrance requirements. For complete details see the School Certificate Examinations Announcement.

I. FOR ADMISSION TO THE FIRST YEAR OF THE B.Eng. AND B.Arch. COURSES

CANADA

The recognized Junior Matriculation or equivalent examinations of the various provinces.

*A candidate who has passed the two papers in Junoir School Certificate French may obtain Engineering Senior Matriculation standing in German by passing the Junior School Certificate examinations in this subject.

GREAT BRITAIN

In the General Certificate of Education, passes in five subjects, including Mathematics, at least one Science, and a non-English language, will be the minimum standard for admission. A pass in Religious Knowledge cannot be counted among the five.

UNITED STATES

The tests of the College Entrance Examination Board.

All candidates from the United States must write these tests, preferably at the January or the March session. The Scholastic Aptitude tests and three Achievement tests, chosen with the advice of the applicant's school principal from Intermediate Mathematics, Advanced Mathematics, Physics, and Chemistry, should be taken. Further particulars may be obtained from the Registrar's Office.

MISCELLANEOUS

Other certificates such as those issued by universities or public examining boards will be judged on their merits and accepted if they meet all the University requirements.

II. FOR ADMISSION TO THE SECOND YEAR OF THE B.Eng. AND B.Arch. COURSES

Students from B.Sc. 1 who have completed the required courses of First year Engineering will be considered for admission to Second year Engineering. Applications for admission are to be made to the Registrar's Office.

CANADA

The recognized Junior and Senior Matriculation or equivalent examinations of the various provinces.

GREAT BRITAIN

In the General Certificate of Education, passes in seven appropriate subjects including two at Advanced level. Religious Knowledge cannot be counted in the seven papers.

UNITED STATES

Completion of one year in an approved college with a suitable syllabus and good grades.

APPLICATION FOR ADMISSION

Students are normally permitted to enter at the beginning of the first term only.

Students desiring to enter the Faculty of Engineering must make application on forms which may be obtained from the Registrar's Office. Completed forms must reach the Registrar before August 31st.

It is advantageous for candidates to make preliminary application on the proper forms as early in the year as possible, supplementing this later with the required certificates, transcripts, etc., as these become available.

Applicants should note that clear photo-copies of original documents are acceptable if submitted in duplicate. Sending such copies avoids the risk of losing the originals in the mail.

Students whose native language is not English must satisfy the Registrar that their command of written and spoken English is fluent.

ADMISSION TO ADVANCED STANDING

Students of other colleges or universities who desire to enter any year in this Faculty other than the First or Second, should apply in writing to the Dean of the Faculty not later than July 31st preceding the session it is desired to enter. Such application should state the course the student wishes to enter, and must be supported by an official transcript of the applicant's record at the institution he is leaving, which transcript should be sent directly from the registrar of such institution to the Dean of this Faculty.

To obtain a Bachelor's degree a student must spend at least two years in the Faculty of Engineering.

Graduates of other faculties of McGill University desiring to proceed to the degree of B.Arch., or B.Eng. should consult the Dean of this Faculty for information regarding the regulations governing such procedure.

REGISTRATION, ATTENDANCE, AND DISCIPLINE

REGISTRATION DAYS—FIRST YEAR

Registration Day for students entering the First year of the Faculty of Engineering is Monday, September 18th, 1961. Registration hours are 9:00 a.m. to 12:00 noon, and 2:00 p.m. to 4:00 p.m. All registration takes place in the McConnell Engineering Building.

After this Registration Day no students will be registered in First year Engineering except with written permission. After October 15th no student will be admitted except by special permission of the Faculty.

A special fee will be charged to those permitted to register late.

REGISTRATION DAYS—ALL STUDENTS EXCEPT FIRST YEAR

Registration Day for students entering the Second, Third, Fourth and Fifth years of Engineering and Architecture, and Sixth year Architecture is Friday, September 22nd, 1961. Registration hours are 9:00 a.m. to 12:00 noon, and 2:00 p.m. to 4:00 p.m. All registration takes place in the McConnell Engineering Building.

After this Registration Day no students will be registered in the Second, Third, Fourth, or Fifth years of Engineering and Architecture or Sixth year Architecture except with written permission. After October 15th no student will be admitted except by special permission of the Faculty.

A special fee will be charged to those permitted to register late.

ATTENDANCE—FIRST YEAR

1. Students of the First year are required to attend at least seven-eighths of the total number of lectures or laboratory periods in each course. Those whose unexcused absences exceed one-eighth of the total number of lectures in a course are not permitted to sit for the regular examination in that course, and those whose unexcused absences have exceeded one-fourth must repeat the work in that course.

No student in any year will be permitted to sit for the examinations unless he has fulfilled the requirements of the course to the satisfaction of the Instructor and of the Dean.

Excuses for absences in excess of one-eighth are dealt with only by the Dean and are not entertained except in cases of serious illness (which must be vouched for by a proper medical certificate), domestic affliction, and such other cases as are provided for by special regulations of the Faculty. Medical certificates covering absences must be presented at the Dean's office by the student immediately after his return to University work. Such certificates are filed, and, if they are accepted, the Dean will give the student a statement excusing the absences covered; this must be shown to all professors concerned as promptly as possible.

2. Credit for attendance at any lecture or class may be refused on the grounds of lateness, inattention, neglect of study, or disorderly conduct in the class room or laboratory. These cases are dealt with by the Dean of the Faculty.

3. Lectures commence at five minutes after the hour, on the conclusion of the roll call. After the commencement of a lecture students are not allowed to enter, except with the permission of the professor. If permitted to enter, they report themselves at the close of the lecture and are marked "late". Two lates count as one absence. Lectures end at five minutes before the hour. In cases where it is impracticable to record late attendance, students who are not present at the commencement of the lecture are marked absent.

ATTENDANCE — UPPER YEARS

Students should realize that regular attendance at all scheduled exercises is in their best interests and should make every effort to attend regularly. To allow as much freedom as is consistent with efficient teaching, the following regulations apply:

1. Attendance is not compulsory except in the First year.

2. For other years an instructor may keep records of attendance at laboratory exercises and the like, if he so desires, and is authorized to deal with cases of unsatisfactory attendance at such exercises.

3. Students who have been absent for any reason for three or more teaching days shall report to the Dean's Office immediately upon their return to classes.

4. Lectures begin at five minutes after the hour and end at five minutes before the hour. After the beginning of a lecture students are not admitted, except by permission of the lecturer.

5. Abuse of these regulations will be dealt with as a matter of discipline by the Dean of the Faculty.

DISCIPLINE

The University regulations concerning discipline are administered by the several Faculties, subject, when necessary, to revision or confirmation by Senate.

FEES

Regular fees and special fees are given in the General Information pamphlet enclosed with this Announcement.

SPECIAL FEES IN ENGINEERING

SUMMER SCHOOLS — Students who are eligible to attend summer schools in May or September as part of their regular course pay $10 as a caution money deposit. Students taking summer schools as extra courses will pay $35, plus a caution money deposit of $10. Students in Mining Engineering pay an additional fee of $50 for the Mining Field School.

Students attending the Summer School in Mechanical Drawing for the first time to make up a deficiency will pay $10.00; for those attending as a supplemental the fee will be $20.00.

DATES FOR PAYMENT

Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. (Saturday 9 a.m. to 11 a.m.) from Monday, September 18th to Wednesday, October 11th, inclusive.

If desired, fees may be remitted by mail before the above dates, with Fee Coupon attached. The second instalment of tuition fees is due and payable by January 15th. An additional $2 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees, the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or satisfactory arrangements are madé with the Chief Accountant.

SCHOLARSHIPS, BURSARIES, PRIZES, MEDALS, AND LOAN FUNDS

Details of scholarships, bursaries, and loan funds will be found in the Scholarships, Bursaries, and Loan Funds Announcement which may be obtained from the Registrar's Office.

HEALTH SERVICE

The attention of students is especially directed to the heavy fines which are automatically levied if health examinations are not arranged for and completed.

Information concerning the University Health Service will be found in the General Information pamphlet enclosed with this Announcement.

Those engaged in certain branches of mining and metallurgical work are subject by provincial authorities and mining companies to regulations

regarding physical fitness, with particular reference to chest conditions and sight. Students registering for courses in Mining or Metallurgical Engineering are therefore required to undergo a special medical examination to determine their fitness. Convenient arrangements are made through the University Medical Officer for such examinations. While assisting students to determine their degree of fitness, the University assumes no responsibility for decisions made by those administering the regulations referred to above.

EXAMINATIONS AND CLASS TESTS

1. Sessional examinations are normally set in all lecture subjects and are written in April (or December-January for first-term subjects).

2. Supplemental examinations are set for those students granted permission by the Committee on Standing and Promotion to sit for them and are written in August-September.

3. Class tests are set for First, Second and Third year students at two periods, November and December-January.

STANDING AND PROMOTION

SESSIONAL EXAMINATIONS

1. The standing of a student in the work of a class year is established in the Spring by the Committee on Standing and Promotion on the basis of an overall view of the results the student has achieved in the sessional examinations.

2. The standard which a student is expected to attain in order to be allowed to proceed to the next class year is an overall average in the sessional examinations of 60% of the weighted marks of the curriculum and at least 50% in every separate examination. The standing assigned for achieving this standard is PROMOTED.

3. The terms of standings that will be assigned a student who does not obtain this standard will be laid down at the SOLE discretion of the Committee on Standing and Promotion. In some circumstances these terms will include permission for a student to re-write papers in order to attempt to improve his standing.

4. A student is awarded one of the following designations for the mark he achieves in a given subject:

80 – 100%	First Class I
65 – 79%	Second Class II
50 – 64%	Third Class III
Less than 50%	Failed F

II. CLASS TESTS

The standard which students must achieve is the same as that expected in the Sessional Examinations. Students who do not achieve it will, subject to the discretion of the Committee on Standing and Promotion, be required to withdraw at the end of the first term.

SOCIETIES

1. Upon entrance into the Faculty, all undergraduate students automatically become members of the Engineering Undergraduates Society.

2. The students also support the Society of the Phi Epsilon Alpha. The members of this society are selected from graduates and undergraduates in engineering, and its object is to encourage high standards of character and scholarship.

3. Students in all departments of engineering are strongly recommended to become student members of the Engineering Institute of Canada, for which a fee of $3 is required. They are then entitled to the Journal of the Institute, to the use of the Institute's building, 2050 Mansfield Street, Montreal 2, and to attend the weekly meetings. Students are invited to compete for the prizes which are offered by the Institute.

4. Students in Mining Engineering and in Metallurgical Engineering are strongly recommended to become members of the McGill Mining and Metallurgical Society, which, although a student body, is affiliated with the Canadian Institute of Mining and Metallurgy, the headquarters of which are in the Drummond Building, 1117 St. Catherine St. W., Montreal 2. Members of this Society receive the Monthly Bulletin of the Transactions of the Institute free, and are entitled to attend meetings and to compete for prizes offered.

5. Students in Architecture are recommended to become student members of the Province of Quebec Association of Architects, for which a fee of $1.00 is required. They are then entitled to use the library of the Association, 620 Cathcart Street, Montreal 2.

6. Students in Electrical Engineering are strongly recommended to become Student Members of either the Institute of Radio Engineers or the American Institute of Electrical Engineers. Both of these societies have Montreal sections which hold regular meetings at which the speakers are prominent engineers from all over the continent. Student Members receive notices of meetings, and the monthly publication of either society.

7. Students in Mechanical Engineering may become Student Members of either the Society of Automotive Engineers or the Canadian Aeronautical Institute if they wish. Both of these societies have Montreal branches which hold regular meetings.

Courses of Instruction

Instruction in this Faculty is designed to afford thorough training of a practical as well as theoretical nature in the following branches:

I—Architecture
II—Chemical Engineering
III—Civil Engineering
IV—Electrical Engineering
V—Mechanical Engineering
VI—Metallurgical Engineering
VII—Mining Engineering
VIII—Engineering Physics

A note concerning graduate courses follows the list of undergraduate courses in each department. Details are given in the Announcement of the Faculty of Graduate Studies and Research.

CURRICULUM

The curriculum as laid down in the following pages may be changed from time to time, as deemed advisable by Faculty, and is in no case binding beyond the session covered by this Announcement.

The course for a degree in any branch of Engineering is one of five years, and for a degree in Architecture the course is a six-year one.

The degree in Engineering will not be conferred upon any candidate until he has passed the prescribed examinations of his course, and has submitted satisfactory evidence to Faculty of having had a minimum of six months of experience in practical engineering work. Similar regulations apply to the degree in Architecture. See page 1449. Forms for reporting employment, which must be signed by the employer, are available from the Dean's Office. To report employment for the summer of 1961 they must be returned to the Dean's Office not later than 12 noon, October 21st, 1961.

The first three years of the Engineering courses are devoted largely to Mathematics, Mechanics, Physics, Chemistry, and Drawing, as it is necessary that students in these courses should master the general principles underlying scientific work before commencing professional subjects.

In certain courses, students are required to attend summer schools, following the completion of the work of the session in the Second, Third and Fourth years: for details, see page 1448.

ENGINEERING COURSES

The following schedules set out the various courses as it is expected they will be given during the session to which this Announcement applies, but the Faculty of Engineering reserves its right to alter them if it deems desirable. Notice of such alteration is posted for the information of students.

Engineering and Architecture

FIRST YEAR

NORMAL COURSE

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
*Engineering Drawing I	511	50	..	..	3	3
Chemistry	902	200	3	3	3	3
English	1000	200	4	4	..	..
**Analytic Geometry	1203	200	3	3	..	..
**Engineering Problems	1204	..	..	..	2	2
Physics	1311	200	3	3	2	2
Optional Course (select one from list below)	14..	150	..	..	..	..
Concepts of Engineering	1500	..	1	1	..	..
***Algebra	1201	75	..	3	..	..
Total	...	1000	14 plus option	14 plus option	10 plus option	10 plus option

* A deficiency or condition in Course 511 may be cleared only by attending a special school held during September.

** Students achieving an overall average of 80% in the high school leaving examinations will be invited by the Dean of the Faculty to join a course Analytic Geometry and Vectors 1205, and Problems 1206. No application is required.

***For students judged to be deficient in high school algebra. Those required to follow this course will be advised on the day of registration.

The Normal Course is the one in which appplicants who have matriculated from Canadian high schools will usually be registered. It assumes that the applicant has completed Trigonometry and Intermediate Algebra.

FIRST YEAR

SPECIAL COURSE

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc hours per week.	
			First term	Second term	First term	Second term
Engineering Drawing I	511	50	..	..	3	3
Chemistry	902	200	3	3	3	3
English	1000	200	4	4	..	..
Mathematics	1200	200	3	3	..	..
Engineering Problems	1202	...	..	..	2	2
Physics	1311	200	3	3	2	2
Optional Course (select one from list below)	14	150	..	..	..	..
Concepts of Engineering	1500	...	1	1	..	..
Total	...	1000	14 plus option	14 plus option	10 plus option	10 plus option

The Special Course is the one in which applicants will be registered whose previous work in Mathematics does not meet the standards set by Faculty for entry into the Normal Course.

OPTIONAL COURSES

Biology 1402
French 1491 or 1493
Economic History 1430
Geography 1442
German 1450 or 1451
History 1460
Latin 1425 or 1426
Music 1480
Spanish 1495
Russian 1455

Descriptions of these optional courses are given on pages 1500 to 1504.

Students are advised to make a careful choice from the Optional Courses at the time of registration since the scheduling of First year lectures based on these choices precludes any changes after the day of registration.

Engineering

SECOND YEAR

(For Second Year Architecture, see page 1424)

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Mechanics	320	150	2	2	2	2
Materials of Engineering	321	50	1	1	..	..
Surveying	324	50	..	2	..	..
*Survey School	352	Year 3	..	..	..	..
**Engineering Drawing II	521	100	..	..	3	3
Descriptive Geometry	522	100	1	1	2	2
Physical Chemistry and Laboratory	922	125	2	2	1	1
Algebra	1221	100	2	2	..	..
****Calculus	1224	150	3	3	..	..
Physics and Laboratory	1320	100	3	..	2	..
Physics and Laboratory	1322	100	..	3	..	2
***Analytic Geometry	1222	100	2	2	..	..
Optional Course.		100				
Total		1125 or 1225	14 or 16	16 or 18	10	10

*Course 352 must be attended at the end of the Second year from about April 25 to May 25.

**A condition in Course 521 may be cleared only by attending a Special School starting September 6th. Applicants for entry into Second year with Senior Matriculation standing who are deficient in Engineering Drawing 511 must attend a Special School commencing September 5th, before permission to register in Second year will be granted.

***Course 1222 is for those students who have not followed the Normal Course of Year One or who have registered in Year Two with Senior Matriculation standing.

****Students who have successfully completed Course 1205 of the First year will be permitted to register for Calculus 1225 instead of Calculus 1224 if they so desire.

I. ARCHITECTURE

The course for the degree of Bachelor of Architecture extends over six years and aims to provide a basic training in the art and science of building. The First year is the regular First year of the Faculty of Engineering. The Second year is the regular Second year of the Faculty of Engineering with alternatives in Drawing and History of Architecture. The subjects of Building Construction, Architectural and Structural Design, History of Architecture, Civic Design, Acoustics, Electrical and Mechanical Services of Buildings, and Community Planning are taken during the Third, Fourth and Fifth years. The work of the Sixth year consists of Architectural Design, Specifications and Professional Practice.

FIRST YEAR

As in engineering courses (see page 1421).

Architecture
SECOND YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Architectural Report	117	100	..	..	..	..
Architectural Drawing	113	75	..	1	..	6
Elements of Design	114	75	1	..	6	..
History of Architecture	116	100	2	2	..	..
Mechanics	320	150	2	2	2	2
Materials of Engineering	321	50	1	1	..	..
Surveying	324	50	..	2	..	..
*Survey School	352	Year 3	..	..	..	..
Algebra	1221	100	2	2	..	..
**Analytic Geometry	1222	100	2	2	..	..
***Calculus	1224	150	3	3	..	..
Physics and Laboratory	1320	100	3	..	2	..
Physics and Laboratory	1322	100	..	3	..	2
Total		1050 or 1150	14 or 16	16 or 18	10	10

*Course 352 must be attended at the end of the Second year from about April 25 to May 25.

**Course 1222 is for those students who have not followed the Normal Course of Year One or who have registered in Year Two with Senior Matriculation standing.

Note: Students who complete Second year Architecture may enter Third year Engineering by making up deficiencies in Engineering Drawing 521, Descriptive Geometry 522, and Elementary Physical Chemistry and Laboratory 922.

***Students who have successfully completed Course 1205 of the First year will be permitted to register for Calculus 1225 instead of Calculus 1224 if they so desire.

A special Summer School in Engineering Drawing of two weeks duration will be made available for such students as enter Second year with senior matriculation and with a deficiency in Engineering Drawing 511.

Architecture
THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Architectural Report	130	100	..	..	..	..
Building Construction	131	250	1	1	15	18
Elements of Design	132	50	..	..	2	2
Freehand Drawing	133	50	..	..	2	2
History of Architecture	134	100	2	2	..	..
Mechanics	343	50	2	..	..	..
Surveying	350	50	2	..	..	..
Surveying Problems	351	25	..	..	3	..
*Survey School	352	100	..	..	..	..
Technical Paper	830	100	..	..	..	..
Calculus	1242	100	2	2	..	..
Total		975	9	5	22	22

*Counted as part of Third year curriculum, but taken in four weeks following the close of the Second year.

Architecture

FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Civic Design	145	50	1	1	..	..
Architectural Report	146	100	..	..	..	..
Building Construction	147	100	1	1	6	..
Design A	148	250	..	..	9	15
Freehand Drawing	150	50	..	..	2	2
History of Architecture	151	100	2	2	..	..
Design Workshop	162	50	..	..	2	2
Structural Design I	360	75	2	..	2	..
Foundations	363	75	1	1	..	3
Strength of Materials	373	125	2	2	..	3
*Electrical Services	498	50	2	..	..	..
Technical Paper	840	100	..	..	..	..
Total		1075	9 or 11	7	21	25

*Given to combined Fourth and Fifth years in alternate years. Course 498 will be given in session 1962-63.

Architecture

FIFTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Social Observation	152	100	2	2	..	..
Architectural Report	160	100	..	..	..	..
Design B	161	300	1	1	17	17
History of Architecture	163	100	2	2	..	..
Planning	164	100	2	2	..	..
Sketching School	165	50	..	..	..	..
Design Workshop	178	25	..	..	2	..
Reinforced Concrete	390	75	2	..	2	..
*Electrical Services	498	50	2	..	..	..
Mechanical Services	578	100	2	2	..	3
Technical Paper	850	100	..	..	..	..
Acoustics of Buildings	1380	50	1	..	..	2
Engineering Practice I	1561	50	..	2	..	..
Total		1150	12 or 14	11	21	22

*Given to combined Fourth and Fifth years in alternate years. Course 498 will be given in 1962-63.

Architecture

SIXTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Sketching School	166	50	..	..	..	..
Architectural Report	175	100	..	..	..	..
Design C	176	600	..	..	21	27
Design Seminar	177	..	..	..	..	..
Monumental Buildings	179	100	2	2	..	..
Professional Practice	180	50	1	1	..	..
Specifications	181	50	2	..	..	..
Structural Design II	399	50	1	..	3	..
Technical Paper	860	100	..	..	..	..
Engineering Practice II	1580	50	2	..	..	..
Total		1150	8	3	24	27

II. CHEMICAL ENGINEERING

The aim of this course is to provide a broad fundamental training, which, when supplemented by practical experience, will make the engineer competent to design and operate industrial plants and to understand the processes.

Part of the time in the Third year is devoted to Chemistry in addition to general engineering subjects. In the Fourth year, time is divided between Chemistry and Engineering, and Chemical Engineering topics are introduced. The Fifth year is devoted mostly to Chemistry and Chemical Engineering, including a course in unit operations.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1421 to 1423), except that students do not take the Summer School in Surveying Field Work 352.

Chemical Engineering
THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Chemical Engineering Problems	240	150	2	2	3	3
Mechanics	340	100	2	2	..	..
Physical Metallurgy	670	50	1	..	2	..
Technical Paper	830	100	..	..	..	..
Systematic Inorganic Chemistry	940	100	2	2	..	..
Inorganic Quantitative Analysis	944	150	1	1	6	6
Organic Chemistry	952	150	3	3	1	1
Calculus	1242	100	2	2	..	..
Physics	1340	150	2	2	3	3
Engineering Reports	1540	50	1	1	..	..
Total		1100	16	15	15	13

Chemical Engineering
FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Chemical Technology	260	150	3	3	..	..
Chemical Engineering Laboratory I	262	50	..	..	3	3
Elementary Chemical Engineering	264	150	3	3	..	..
Problem Period	265	50	..	..	3	3
Thermodynamics	268	100	2	2	..	..
Strength of Materials	373	125	2	2	..	3
Technical Paper	840	100	..	..	..	..
Organic Chemistry Laboratory	972	100	..	..	6	6
High Polymers (extra)	966	..	1	1	..	..
Intermediate Physical Chemistry Laboratory	968	50	..	..	3	3
Differential Equations	1260	100	2	2	..	..
Engineering Reports	1560	50	1	1	..	..
Engineering Practice I	1561	50	..	2	..	..
Total		1075	13	15	15	18

Chemical Engineering

FIFTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Chemical Engineering A	280	150	3	3	..	..
Chemical Engineering B	282	150	3	3	..	..
Chemical Engineering Design	284	100	2	2	..	..
Instrumentation and Automatic Process Control	285	50	2	..	..	..
Chemical Engineering Laboratory II	286	100	..	..	6	6
Applied Reaction Kinetics	287	50	..	2	..	..
Thermodynamics	288	100	2	2	..	..
Elements of Electrical Engineering	470	100	2	2	..	..
Electrical Engineering Laboratory	472	50	..	..	3	3
Technical Paper	850	100	..	..	..	..
Advanced Physical Chemistry Laboratory	984	50	..	..	3	3
Colloid Chemistry	986	50	1	1	..	..
Electrochemistry	988	50	1	1	..	..
Engineering Practice II	1580	50	2	..	..	..
Engineering Law	1581	50	2	..	..	..
Total		1200	20	16	12	12

III. CIVIL ENGINEERING

REGULAR COURSE

The regular course of study is designed to emphasize the fundamental principles of mechanics, strength of materials, design of structures, and hydraulics, at the same time affording an opportunity of applying these principles to practical problems ranging widely over the field of civil engineering. A sound foundation is laid for future specialization. The outlook of the student is broadened by courses in Mechanical, in Metallurgical, and in Electrical Engineering. In the designing courses special attention is given to the interpretation and critical discussion of specifications and to the economic factors involved.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1421 to 1423).

Civil Engineering (Regular Course)
THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Mechanics	340	100	2	2	..	..
Surveying	350	50	2	..	..	..
Surveying Problems	351	25	..	..	3	..
*Survey School	352	100	..	..	..	..
Structural Drawing	341	25	..	..	3	..
Mechanics of Machines	542	50	..	1	..	3
Technical Paper	830	100	..	..	..	..
General Geology	1142	125	2	2	2†	2
Calculus	1242	100	2	2	..	..
Physics	1340	150	2	2	3	3
Engineering Reports	1540	50	1	1	..	..
Total	...	875	11	10	11	8

*This School is held in the Spring at the end of the Second year, from about April 25 to May 25, and a student must attend it before he may register in the Third year. Students entering the Third year from other universities may make special arrangements at the time of their application.

†During the first few weeks the laboratory work is replaced by field excursions.

Students who complete the Third year of Mechanical Engineering at McGill may transfer to the Fourth year of Civil Engineering if they attend Survey School 377 at the end of their Third year and clear a deficiency in Course 350.

Civil Engineering (Regular Course)
FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Hydraulics	364	75	2	..	3	..
Structural Design I	360	75	..	2	..	2
Foundations	362	100	1	1	3	3
Map Projections (extra)	368	..	1	..	2	..
Highway Engineering	371	75	2	..	3	..
Strength of Materials	373	125	2	2	..	3
Surveying	376	100	2	2	..	..
*Survey School	377	100	..	..	..	..
Mechanical Engineering	566	150	2	2	..	..
Mechanical Engineering Laboratory	569	..	..	..	3	3
Physical Metallurgy	670	50	1	..	2	..
Technical Paper	840	100	..	..	..	..
Engineering Reports	1560	50	1	1	..	..
Engineering Practice I	1561	50	..	2	..	..
**Railway Engineering	372	50	..	1	..	3
**Differential Equations	1260	100	2	2	..	..
Total		1100 or 1150	14 or 16	13 or 14	16	11 or 14

*Taken in four weeks following the Third year.
**Alternates.

Civil Engineering (Regular Course)
FIFTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Structural Design II	380	150	1	2	3	5
*Foundations and Reinforced Concrete	382	75	..	2	..	3
*Geodesy	384	50	..	2	..	..
*Geodetic Laboratory	385	25	..	..	..	3
Hydraulic Machines	386	50	..	2	..	..
Municipal Engineering	387	125	2	2	3	..
*Photogrammetry	388	75	..	2	..	3
Reinforced Concrete	390	75	2	..	2	..
Theory of Structures	392	175	2	2	5	3
†Survey School (extra)	394	..	..	..	..	..
Urban Planning	395	50	1	1	..	..
Elements of Electrical Engineering	470	100	2	2	..	..
Electrical Engineering Laboratory	472	50	..	..	3	3
Technical Paper	850	100	..	..	..	..
Engineering Practice II	1580	50	2	..	..	..
Engineering Law	1581	50	2	..	..	..
Total		1050	14	13	16	14

*Alternates; Course 382 *or* Courses 384 and 385 *or* Course 388, to be taken.
†Taken in four weeks following Fourth year.

APPLIED MECHANICS OPTION

The courses of study in the applied mechanics option are designed to give rather more emphasis to the field of applied mechanics than is given in the regular civil engineering course. A broad mathematical foundation is provided, permitting a more intensive treatment of technical phases of applied mechanics, including fluid mechanics and vibrations. The work of the regular course in Railway and Highway Engineering, Geodesy, and Municipal Engineering is omitted, but all the basic engineering of the regular course is retained. The training is designed for those students who wish to fit themselves for positions in the field of advanced structural design, and for graduate and research work in this and allied fields.

A student electing this option may revert to the regular civil engineering course at the end of his Third year without making up the regular work missed, provided his standing in all other respects is satisfactory. Reversion at the end of the Fourth year involves making up certain of the work missed. Students who make only low pass standing will be required to revert.

Registration for this option is restricted to students whose general background, and whose standing attained in the Second year, particularly in mathematics, indicate that they can profit by it. Students intending to register for this option should consult with the Chairman of the Department and obtain his approval of such registration prior to September 15th.

Civil Engineering (Applied Mechanics Option)

THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Mechanics	340	100	2	2	..	..
Surveying	350	50	2	..	..	..
Surveying Problems	351	25	..	..	3	..
*Survey School	352	100	..	..	..	..
Technical Paper	830	100	..	..	..	..
General Geology	1142	125	2	2	2†	2
Advanced Calculus	1240	150	3	3	..	..
Vector Methods and Nomography	1246	50	1	1	..	..
Differential Equations	1260	100	2	2	..	..
Physics	1340	150	2	2	3	3
Engineering Reports	1540	50	1	1	..	..
Total		1000	15	13	8	5

*Counted as part of Third year curriculum, but taken in four weeks following the close of the Second year.

†During the first few weeks the laboratory work is replaced by field excursions.

Civil Engineering (Applied Mechanics Option)

FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
*Thermodynamics	268	100	2	2	..	..
Structural Design I	360	75	..	2	..	2
*Foundations	362	100	1	1	3	3
Hydraulics	364	75	2	..	3	..
Strength of Materials	373	125	2	2	..	3
†Dynamics and Vibrations	381	75	1	2	..	..
†Fluid Dynamics	383	75	1	2	..	..
Mechanical Engineering	566	150	2	2	..	..
Mechanical Engineering Laboratory	569	..	..	..	3	3
Physical Metallurgy	670	50	1	..	2	..
Technical Paper	840	100	..	..	..	..
Theory of Functions	1264	125	2	2	1	1
Engineering Reports	1560	50	1	1	..	..
Engineering Practice I	1561	50	..	2	..	..
Total		975	12 or 13	14 or 15	9 or 12	9 or 12

*Alternates. Course 362 is prerequisite to (extra) Course 382, Fifth year.

†Given to combined Fourth and Fifth years in alternate years. Course 381 will be given in 1961-62.

Civil Engineering (Applied Mechanics Option)

FIFTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Structural Design II	380	150	1	2	3	5
*Dynamics and Vibrations	381	75	1	2	..	..
†Foundations and Reinforced Concrete (extra)	382	..	..	2	..	3
*Fluid Mechanics	383	75	1	2	..	..
Hydraulic Machines	386	50	..	2	..	..
Reinforced Concrete	390	75	2	..	2	..
Theory of Structures	392	175	2	2	5	3
Elements of Electrical Engineering	470	100	2	2	..	..
Electrical Engineering Laboratory	472	50	..	..	3	3
Technical Paper	850	100	..	..	..	..
Engineering Practice II	1580	50	2	..	..	..
Engineering Law	1581	50	2	..	..	..
Total		875	12	10	13	11

*Given to combined Fourth and Fifth years in alternate years. Course 381 will be given in 1961-62.

†Foundations 362, Fourth year, is prerequisite.

IV. ELECTRICAL ENGINEERING

The course leading to the B.Eng. in Electrical Engineering provides a mathematical and physical background for the theoretical principles of modern electrical engineering. The theoretical content is supplemented with adequate laboratory work and provides a training to fit students for positions in all branches of Electrical Engineering.

The first three years of the course provide the student with a broad training in the fundamentals common to all branches of engineering.

The Fourth year is common to all Electrical Engineering students.

The Fifth year course consists of three parts; the first is taken by all students, the second provides two options, one in electrical machines, generation and transmission, the other in various aspects of electrical communications. The third part provides a number of half courses of which two must be taken.

FIRST AND SECOND YEARS

As in other Engineering Courses (see pages 1421 to 1423).

Electrical Engineering

THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Mechanics	340	100	2	2	..	..
*Survey School	352	100	..	..	..	..
Circuit Analysis	442	150	2	2	2	2
Mechanical Engineering	566	150	2	2	..	..
Mechanical Engineering Laboratory	569	..	..	..	3	3
Technical Paper	830	100	..	..	..	..
General Geology	1142	125	2	2	2†	2
Calculus	1242	100	2	2	..	..
Differential Equations	1260	125	2	2	..	..
Electricity & Atomic Physics	1343	150	3	2	3	3**
Engineering Reports	1540	50	1	1	..	..
Total		1150	16	15	10	7/10

*This School is held in the Spring at the end of the Second year from about April 25 to May 25, and a student must attend it before he may register in the Third year. Students entering the Third year from other universities may make special arrangements at the time of their application.

**Alternate weeks.

†During the first few weeks the laboratory work is replaced by field excursions.

Electrical Engineering

FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Strength of Materials	373	125	2	2	..	3
Electrical Theory and Measurements	460	150	3	3	..	..
Electronics and Communications	461	100	2	2	..	..
Energy Conversion and Transmission	462	100	2	2	..	..
Laboratory	463	100	..	..	6	6
Tutorials	464	75	..	..	6	6
Technical Paper	840	100	..	..	..	..
Engineering Mathematics	1269	125	2	2	1	1
Solid State Physics	1370	100	2	2	..	..
Engineering Practice	1561	50	..	2	..	..
Total		1025	13	15	13	16

Electrical Engineering

FIFTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Electrical Theory and Measurements	480	150	3	3	..	..
Electronic Devices	481	100	2	2	..	..
Control Engineering	482	50	2	..	..	..
Combined Electrical Laboratory	483	100	..	..	6	6
Combined Electrical Tutorial	484	50	..	..	4	4
Technical Paper	850	100	..	..	..	..
Engineering Practice	1580	50	2	..	..	..
Engineering Law	1581	50	2	..	..	..
AND EITHER						
Energy Conversion and Transmission	485	150	3	3	..	..
OR						
Communications	486	150	3	3	..	..
PLUS TWO OF THE FOLLOWING—ONE IN EACH TERM:						
Hydraulics	364	75	2	..	3	..
Hydraulics Machines	386	75	..	2	..	..
Acoustics	487	75	..	2	..	3
Electrical Machine Design	488	75	2	..	3	..
Radio Engineering Design	489	75	2	..	3	..
Control Engineering Design	490	75	..	2	..	3
Electro-magnetic Theory	491	75	2	..	3	..
Numerical Analysis	492	75	2	..	3	..
Mathematical Machine Methods	493	75	..	2	..	3
Introduction to Probability & Statistics	1291	75	..	2	..	1
Information Theory	1292	75	2	..	1	..
Electrical Power System Analysis	496	75	..	2	..	3
Power Modulators for Control Systems	497	75	2	..	3	..
Total		950	16	10	11 or 13	11 or 13

ENGINEERING PHYSICS (Electrical)

The course leading to the degree of B.Eng. in Engineering Physics (Electrical) is planned for those students who wish to fit themselves for positions in development and research.

Registration in Engineering Physics is restricted to those students who have completed Second year Engineering with first class standing. Moreover, to remain in this course, students must achieve a good Second Class standing in the examinations.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1421 to 1423).

Engineering Physics

THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Mechanics	340	100	2	2	..	..
*Survey School	352	100	..	..	..	..
Circuit Analysis	441	125	2	2	..	2
Technical Paper	830	100	..	..	..	..
Advanced Calculus	1240	150	3	3	..	..
Vector Methods & Nomography	1246	50	1	1	..	..
Differential Equations	1260	100	2	2	..	..
Electricity & Atomic Physics	1343	150	3	2	3	3**
Advanced Light	1346	125	2	1	3	3
Engineering Reports	1540	50	1	1	..	..
Engineering Practice	1561	50	..	2	..	..
Total		1100	16	16	6	5/8

*This School is held in the Spring at the end of the Second year, from about April 25 to May 25, and a student must attend it before he may register in the Third year. Students entering the Third year from other universities may make special arrangements at the time of their application.

**Alternate weeks.

Engineering Physics

FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Strength of Materials	373	125	2	2	..	3
Laboratory	465	100	..	..	6	6
Linear Network Theory	466	150	3	3	..	..
Electronics	467	100	2	2	..	..
Technical Paper	840	100	..	..	..	..
Advanced Mathematical Methods	1265	125	2	2	1	1
Atomic Physics	1362	50	..	2	..	..
Heat and Thermodynamics	1365	100	2	2	..	..
Statics and Dynamics	1368	150	3	3	..	..
Electromagnetic Theory	1369	50	2	..	..	..
Total		1050	16	16	7	10

Engineering Physics

FIFTH YEAR

(for 1961-62 only)

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Electronic Devices	481	100	2	2	..	..
Communications	486	150	3	3	..	..
Electrical Theory and Measurements	494	100	2	2	..	..
Combined Laboratory	495	50	..	..	3	3
Technical Paper	850	100	..	..	..	..
Fluid Dynamics (extra)	1282	..	3	..	..	..
Advanced Dynamics (extra)	1284	..	..	3	..	..
Atomic and Molecular Structure	1382	50	..	2	..	..
Mathematical Physics	1390	150	3	3	..	..
Radioactivity	1392	150	2	2	3	3
Total		850	12	14	6	6

V. MECHANICAL ENGINEERING

The branch of engineering designated as Mechanical is of a broad nature covering many engineering fields. It is concerned with the generation and utilization of power, the design, production, and operation of mechanical devices, and the organization and administration of industrial plants.

REGULAR COURSE

The regular course offers a basic general engineering training to serve as a sound structure on which subsequently to specialize in the problems of any particular industry. The laboratory classes and problem periods are designed to integrate with the lecture courses, serving to illustrate the practical application of the basic engineering principles in many different fields.

Arrangements are made for occasional visits to power plants and factories of importance.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1421 to 1423).

Mechanical Engineering (Regular Course)

THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Mechanics	340	100	2	2	..	..
*Survey School	352	100	..	..	..	..
Strength of Materials	373	125	2	2	..	3
Engineering Drawing III	541	25	..	..	3	..
Mechanics of Machines	542	50	..	1	..	3
Machine Shop	543	50	..	..	3	3
Engineering Problems	544	50	..	..	3	3
Experimental Engineering	545	75	1	1	1	1
Physical Metallurgy	670	50	1	..	2	..
Technical Paper	830	100	..	..	..	..
Calculus	1242	100	2	2	..	..
Physics	1340	150	2	2	3	3
Differential Equations	1260	100	2	2	..	..
Engineering Reports	1540	50	1	1	..	..
Elective (not yet available)	....	...	..	..	..	..
Total		1125	13	13	13	16

*This School is held in the Spring at the end of the Second year, from about April 25 to May 25, and a student must attend it before he may register in the Third year. Students entering the Third year from other universities may make special arrangements at the time of their application.

Mechanical Engineering (Regular Course)

FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Strength of Materials	391	50	2	..	..	..
Electrical Engineering	470	100	2	2	..	..
Electrical Engineering Lab.	472	50	..	..	3	3
Industrial Engineering I	561	50	2	..	..	..
Machine Shop II	563	50	..	..	3	3
Mechanics of Machines	564	125	2	2	1	1
Mechanical Engineering Laboratory	569	50	..	..	3	3
Applied Thermodynamics I	571	125	2	2	1	1
Fluid Mechanics	573	125	2	2	1	1
Mechanical Design I	575	150	2	2	3	3
Heat Transfer	576	50	..	2	..	..
Technical Paper	840	100	..	..	..	..
Engineering Practice	1561	50	..	2	..	..
Total		1075	14	14	15	15

Mechanical Engineering (Regular Course)

FIFTH YEAR

(for 1961-62 only)

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Strength of Materials	391	50	2	..	..	..
Experimental Mechanical Engineering	581	150	2	..	6	6
Industrial Engineering II	583	150	2	2	3	3
Applied Thermodynamics II	593	150	2	2	3	3
Heat Transfer	576	50	..	2	..	..
Mechanical Design II	595	150	2	2	3	3
Fluid Dynamics	596	125	2	2	1	1
Dynamics of Machines	597	125	2	2	1	1
Technical Paper	850	100	..	..	..	..
Engineering Practice II	1580	50	2	..	..	..
Engineering Law	1581	50	2	..	..	..
Total		1150	18	12	17	17

MECHANICAL SCIENCES OPTION

The course of study in the Mechanical Sciences option is designed to give much more emphasis to the underlying fundamentals of engineering. A broad mathematical and physical foundation is provided, giving the students a good point of departure for advanced engineering studies in a large number of fields. In the final year, training is given to the student in the application of these fundamentals to engineering problems, by seminar discussions and the preparation of a thesis.

The training is designed for those who wish to prepare themselves for creative engineering and for graduate and research work.

Registration will be restricted to students whose general background, and whose standing in the Second year, particularly in Mathematics, indicate that they can profit by it. Generally a first class standing will be required. Students who fail to maintain a satisfactory standing in the Third year must revert to the regular Fourth year Mechanical Engineering course. Reversion at the end of the Fourth year involves making up certain work missed. Students intending to register for this option should consult with the Chairman of the Department and obtain his approval prior to September 15th.

Mechanical Engineering (Mechanical Sciences Option)
THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Mechanics	340	100	2	2	..	..
*Survey School	352	100	..	..	..	..
Strength of Materials	373	125	2	2	..	3
Technical Paper	830	100	..	..	..	..
Physical Metallurgy	670	50	1	..	2	..
Advanced Calculus	1240	150	3	3	..	..
Engineering Problems	544	50	..	..	3	3
Experimental Engineering	545	75	1	1	1	1
Applied Thermodynamics I	571	100	2	2	..	..
Fluid Mechanics	573	125	2	2	1	1
Differential Equations	1260	100	2	2	..	..
Electricity and Atomic Physics	1343	150	3	2	3	3**
Total		1225	18	16	10	8 or 11

*This School is held in the Spring at the end of the Second year, from about April 25th to May 25th, and a student must attend it before he may register in the Third year. Students entering the Third year from other universities may make special arrangements at the time of their application.

**Every two weeks.

Note: Students who achieve high standing in this Third year course may, if they wish, enter the Fourth year of Engineering Physics or the Applied Mechanics option of Civil Engineering, provided that they make up work in Electrical Engineering 441, and Physics 1346, or Surveying 350 and General Geology 1142, respectively.

Mechanical Engineering (Mechanical Sciences Option)

FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Circuit Analysis	443	50	2	..	..	..
Electrical Engineering	470	100	2	2	..	..
Theory and Design of Machines I	579	150	2	2	3	3
Mechanical Engineering Laboratory	581	100	..	..	6	6
Applied Thermodynamics II	593	50	..	..	3	3
Heat Transfer	594	50	..	2	..	..
Fluid Dynamics II	596	125	2	2	1	1
Technical Paper	840	100	..	..	..	..
Vector Methods and Nomography	1246	50	1	1	..	..
Theory of Functions	1264	125	2	2	1	1
Advanced Heat	1365	100	2	2	..	..
Engineering Practice I	1561	50	..	2	..	..
Total		1050	13	15	14	14

Mechanical Engineering (Mechanical Sciences Option)

FIFTH YEAR

(for 1961-62 only)

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Engineering Analysis	393	100	2	2	..	..
Experimental Mechanical Engineering	581	150	2	..	6	6
Theory and Design of Machines II	598	150	2	..	3	3
Engineering Problems	599	300	..	..	12	12
Technical Paper	850	100	..	..	..	..
Mathematical Physics	1290	150	3	3	..	..
Total		950	9	5	21	21

VI. METALLURGICAL ENGINEERING

REGULAR COURSE

The course of instruction provides training in the chemical, physical, and engineering subjects that form the basis for metallurgical engineering. In the later years, the various branches of theoretical and practical metallurgy are studied.

The course is designed for students who expect to be engaged in the milling of ores, the smelting or refining of metals, the production of iron and steel, the melting and casting of metals and alloys, or in engineering work in which the mechanical properties and heat-treatment of metals and alloys are of fundamental importance.

In the Third year instruction is given in mathematics, mechanics, physics, chemistry, and metallurgical problems.

In the Fifth year instruction is given in engineering law, economics, pyrometallurgy, hydrometallurgy, physical metallurgy, strength of materials, electrical engineering, metallurgical design, and mineral dressing.

Laboratory accommodation is provided for graduate students who wish to do advanced work in metallurgy for the M.Eng. degree, or M.Sc. degree.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1421 to 1423).

Metallurgical Engineering

THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Mechanics	340	100	2	2	..	..
*Survey School	352	100	..	..	..	..
Metallurgical Problems and Lab.	643	100	1	1	2	3
Technical Paper	830	100	..	..	..	..
Systematic Inorganic Chemistry	940	100	2	2	..	..
Inorganic Quantitative Analysis	944	150	1	1	6	6
Organic Chemistry	948	100	2	2	1	1
Calculus	1242	100	2	2	..	..
Physics	1340	150	2	2	3	3
Engineering Reports	1540	50	1	1	..	..
Total		1050	13	13	12	13

*Taken in four weeks following the close of the Second year.

Metallurgical Engineering

FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Inorganic Chemical Technology.	266	50	2	..	..	..
Strength of Materials.....	373	125	2	2	..	3
Mechanical Engineering.....	566	150	2	2	..	..
Mechanical Engineering Laboratory.....	569	...	..	..	3	3
Metallurgical Laboratory.....	662	75	..	..	6	3
Mineral Dressing I.....	663	75	1	1	..	3
Metallurgical Problems.....	664	50	..	..	..	4
Metallurgy of Iron and Steel...	666	50	1	1	..	..
Metallurgical Unit Operations..	668	75	2	..	2	..
Technical Paper.....	840	100	..	..	..	..
Chemical Thermodynamics....	964	150	3	3	..	..
Crystallography.....	1163	75	2	..	3	..
Differential Equations.....	1260	100	2	2	..	..
Engineering Practice.....	1561	50	..	2	..	..
Total.....		1125	17	13	14	16

Metallurgical Engineering

FIFTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Elements of Electrical Engineering.....	470	100	2	2	..	..
Electrical Engineering Laboratory.....	472	50	..	..	3	3
Process Metallurgy I.....	680	125	2	2	1	1
Process Metallurgy II.....	682	125	2	2	1	1
Process Metallurgy III.....	684	125	2	2	1	1
Metallurgical Colloquium.....	687	25	..	1	..	..
Metallurgical Design.....	688	25	..	..	..	3
Metallurgical Unit Operations..	689	75	..	2	..	2
Process Control in Metallurgy..	690	100	..	3	..	3
Physical Metallurgy.....	691	125	2	2	1	1
Mineral Dressing III.....	693	50	1	..	3	..
Metallurgical Laboratory.....	695	75	..	..	6	3
Technical Paper.....	850	100	..	..	..	..
Engineering Practice II.....	1580	50	2	..	..	..
Engineering Law.....	1581	50	2	..	..	..
Total.....		1125	15	16	16	18

METAL SCIENCES OPTION

The courses of study in the metal sciences option offer a more rigorous training in mathematics, electronics and chemistry than is given in the regular metallurgical engineering course. A very thorough training in mathematics is provided permitting more intensive treatment of the technical phases of both chemical and physical metallurgy. Of necessity certain courses must be eliminated but the training will particularly fit students for advanced technical work and for graduate and research work in metallurgy.

Students accepted into this option may revert to the regular course on the completion of the work of the previous year. Students who make only low pass standing will be required to revert.

Registration for this option will be restricted to students whose general background and high academic standing indicate that they can profit by it. Students who wish to register for this option must consult with the Chairman of the Department, and obtain his approval prior to September 15th.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1421 to 1423).

Metallurgical Engineering (Metal Sciences option)

THIRD YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Mechanics	340	100	2	2	..	..
*Survey School	352	100	..	..	..	..
Metallurgical Problems and Laboratory	643	100	1	1	2	3
Technical Paper	830	100	..	..	..	..
Systematic Inorganic Chemistry	940	100	2	2	..	..
Inorganic Quantitative Analysis	954	100	1	1	3	3
Advanced Calculus	1240	150	3	3	..	..
Differential Equations	1260	100	2	2	..	..
Physics	1340	510	2	2	3	3
Engineering Reports	1540	50	1	1	..	..
Total		1050	14	14	8	9

*Taken in four weeks following the close of the Second year. Students entering from other universities do this work in a special summer school before entering Fourth or Fifth year (see page 1448).

Metallurgical Engineering (Metal Sciences option)

FOURTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Strength of Materials	373	125	2	2	..	3
Electrical Laboratory	465	50	..	..	3	3
Electronics and Communications	461	100	2	2	..	..
Metallurgical Laboratory	662	75	..	..	6	3
Mineral Dressing I	663	75	1	1	..	3
Metallurgical Problems	664	50	..	..	..	4
Metallurgy of Iron and Steel	666	50	1	1	..	..
Metallurgical Unit Operations	668	75	2	..	2	..
Technical Paper	840	100	..	..	..	..
Chemical Thermodynamics	964	150	3	3	..	..
Crystallography	1163	75	2	..	3	..
The Theory of Functions	1264	125	2	2	1	1
Engineering Practice	1561	50	..	2	..	..
Totals		1100	15	13	15	17

Metallurgical Engineering (Metal Sciences option)

FIFTH YEAR

SUBJECT	Course Number	Weighted Mark	Lecture hours per week		Laboratory, etc. hours per week	
			First term	Second term	First term	Second term
Engineering Analysis	393	100	2	2	..	..
Process Metallurgy I	681	100	2	2	..	..
Process Metallurgy II	683	100	2	2	..	..
Process Metallurgy III	685	100	2	2	..	..
Metallurgical Colloquium	687	25	..	1	..	..
Metallurgical Design	688	25	..	..	..	3
Metallurgical Unit Operations	689	75	..	2	..	2
Process Control in Metallurgy	690	100	..	3	..	3
Physical Metallurgy	692	100	2	2	..	..
Metallurgy Laboratory	695	75	..	..	6	3
Studies in Metallurgical Processes	696	75	..	..	6	3
Technical Paper	850	100	..	..	..	..
Engineering Practice	1580	50	2	..	..	..
Engineering Law	1581	50	2	..	..	..
Totals		1075	14	16	12	14

VII. MINING ENGINEERING and APPLIED GEOPHYSICS

The technical requirements of the mineral industry cover the field of basic engineering and geological knowledge. The courses offered by the department are being reorganized to conform more effectively with this concept. The first three years will be common, with Mathematics, Physics, Chemistry and Geology predominating. The fourth and fifth year will be based on a core of subjects of common interest with options in Mining, Geological and Geophysical Engineering. Each option will develop special interests, but the objective in each case is a well rounded engineering education with a minimum of specialization at the bachelor level. The arrangement also permits flexibility at the graduate level.

For the 1961-62 session the first three years, which are common to all three options, are offered but for the Fourth and Fifth year only the earlier course in Mining Engineering is available. Beginning with the 1962-63 session the above options in Mining, Geological and Geophysical Engineering will be offered in the Fourth year and in subsequent sessions in the Fifth year also. Tentative curricula for the Fourth and Fifth years of these options are available from the Chairman of the Department on request.

Three scholarships of $500 each are available to undergraduate students in the Department. Two of these are presented by The Iron Ore Company of Canada and one by The American Smelting & Refining Company.

Facilities are available for graduate students undertaking advanced work in Mining, Geology and Geophysics. Two Research Fellowships are available to McGill graduates of suitable ability.

Refer to page 1417 for regulations regarding physical examination.

FIRST AND SECOND YEARS

As in other Engineering courses (see pages 1421 to 1423).

Mining Engineering and Applied Geophysics

THIRD YEAR

SUBJECT	Course Number	Weighted mark	Lecture hours per week		Laboratory etc., hours, per week	
			First term	Second term	First term	Second term
Mechanics	340	100	2	2	..	..
Surveying	350	50	2	..	..	..
*Survey School	352	100	..	..	..	..
Geophysical Exploration for Petroleum	750	75	2	..	2	..
Geophysical Exploration for Minerals	751	75	..	2	..	2
Technical Paper	830	100	..	..	..	..
Systematic Inorganic Chemistry	940	100	2	2	..	..
Inorganic Quantitative Analysis	954	100	1	1	3	3
General Geology	1142	125	2	2	2†	2
Mineralogy	1144	150	2	2	3	3
Calculus	1242	100	2	2	..	..
Physics	1340	150	2	2	3	3
Engineering Reports	1540	50	1	1	..	..
Total		1275	18	16	13	13

*Taken in four weeks following the close of the Second year.

†During the first few weeks the laboratory work is replaced by field excursions.

Mining Engineering

(for 1961-62 only)

FOURTH YEAR

SUBJECT	Course Number	Weighted mark	Lecture hours per week		Laboratory etc., hours, per week	
			First term	Second term	First term	Second term
Elements of Structural Design	360	75	..	2	..	2
Hydraulics	364	75	2	..	3	..
Strength of Materials	373	125	2	2	..	3
(1)Survey School	378	50	..	..	..	..
Mechanical Engineering	566	150	2	2	..	..
Mechanical Engineering Laboratory	569	..	..	..	3	3
Metallurgical Problems and Laboratory	643	75	1	1	2	3
Mineral Dressing I	663	75	1	1	..	3
Mineral Dressing II	665	75	3	..	..	..
Theory of Measurements	760	50	..	2	..	..
Mine Surveying	761	50	2	..	..	..
Mine Engineering I	762	100	2	2	..	..
Technical Paper	840	100	..	..	..	..
Petrology	1164	75	2	..	3	..
(2)Summer School (Field Geology)	1165	50	..	..	..	..
Structural Geology	1166	75	..	2	..	3
Engineering Practice I	1561	50	..	2	..	..
Total		1250	17	16	11	17

(1) Taken in two weeks following the Third year session.

(2) Taken in two weeks following two weeks of survey Summer School 377.

Mining Engineering

FIFTH YEAR

(for 1961-2; 1962-3 only)

SUBJECT	Course Number	Weighted mark	Lecture hours per week		Laboratory etc., hours per week	
			First term	Second term	First term	Second term
Electrical Engineering	470	100	2	2	..	..
Electrical Engineering Laboratory	472	50	..	..	3	3
General Metallurgy	686	100	2	2	..	..
Mineral Dressing III	693	50	1	..	3	..
*Mineral Dressing IV	694	...	..	1	..	3
Exploration Geophysics	752	75	2	..	2	..
Mine Design	782	125	..	..	6	6
Mine Finance and Cost Control	784	50	..	2	..	..
Colloquium	786	25	..	1	..	..
Mining Engineering II	788	125	2	3	..	..
Mining Engineering Problems	789	50	..	..	2	2
Technical Paper	850	100	..	..	..	..
Geology of North America	1180	100	2	2	..	..
Ore Deposits	1182	125	2	2	..	3
Geophysics	1360	50	2	.	..	..
Engineering Practice II	1580	50	2	.	..	..
Engineering Law	1581	50	2	..	..	..
Total		1225	19	14	16	17

* Optional.

SUMMER SCHOOLS

Undergraduates are required to attend Regular Summer Schools as specified below. The times at which they are held, and the work covered, are set forth in detail under the course numbers referred to.

See note under fees, page 1416.

Except as noted, classes are expected to begin on or about April 25th and close about May 24th.

REGULAR SUMMER SCHOOLS

CURRICULUM	Students Entering					
	Third year		Fourth year		Fifth year, and Sixth year Architecture	
	Course	Page	Course	Page	Course	Page
Architecture	352	1465	..	..	165 166	1455 1455
Civil Engineering:						
Regular Course	352	1465	377	1467	*394	1470
Applied Mechanics option	352	1465	..	..	..	..
Electrical Engineering	352	1465	..	..	..	..
Mechanical Engineering	352	1465	..	..	..	..
Metallurgical Engineering	352	1465	..	..	..	..
Mining Engineering	352	1465	378 1165	1467 1484	.. 794	.. 1498
Engineering Physics	352	1465	..	..	..	..

*Extra.

SPECIAL SUMMER SCHOOLS

As it is seldom practicable for students admitted to advanced standing in McGill University from other colleges to attend the May Summer School preceding the work of the year to which they are admitted, the following arrangements have been made for such students, *but it must be understood that they apply only to students who have not previously been in attendance in the Faculty of Engineering.*

(a) Students entering Second year with Senior Matriculation standing must attend a school in Engineering Drawing 511 starting September 5th.

(b) Students entering the Fourth year in Mechanical Engineering are required to attend a Special School in Machine Shop which opens on or about September 5th, 1961.

(c) Students entering the Fifth year in Mining Engineering are required to submit evidence that they have had at least six months' practical experience in Mining Work.

(d) Students entering Fifth year Architecture are required to attend Sketching School 165 commencing September 11th, 1961.

EMPLOYMENT AND TECHNICAL PAPERS

EMPLOYMENT

Students in Engineering are required to submit to the Faculty evidence of having had at least six months of suitable experience in practical engineering work before receiving their degrees (see page 1420). For students in Architecture the requirement is six months of experience appropriate to the profession. Evidence of employment must be submitted on forms obtainable at the Dean's Office, to be signed by the employer. Forms reporting employment for the summer must be handed in at the Dean's Office not later than noon on Saturday, October 21st, 1961.

TECHNICAL PAPERS

All students in Engineering and Architecture must submit Technical Papers 830, 840 and 850, on entering Third, Fourth, and Fifth years respectively. Students entering the Sixth year of Architecture must submit a paper 860, a report, with illustrations, on the student's final design project of the Fifth year.

Technical Papers are regarded as an integral part of the curriculum and a high standard is exacted. They are judged on their subject matter, on their literary style, and on the evidence they show of thoughtful observation and preparation.

Technical Papers are normally written on a topic drawn from the experience of the student during his summer work. Students should take advantage of every opportunity during their summer engagements to gather material for their essays. If a student's summer experience does not provide a reasonable topic for an essay, he may visit and inspect any engineering or scientific project in the course of construction or operation and write upon his observations.

No essay compiled entirely from matter already published will be accepted from any student unless ACCOMPANIED by a letter of approval from the Chairman of his Department, or, in the case of essay 830, written in the summer following Second year, from the Chairman of the Department naturally concerned with the topic upon which the student proposes to write. Such approval is not usually given unless the proposed essay will serve a really useful purpose by bringing together important information otherwise difficult of access.

Data from books and from other sources, may, however, be used or even quoted verbatim in reasonable quantity, provided direct quotations are indicated, and acknowledgement and specific reference is made at the bottom of the page. Thanks for assistance, advice, drawings, photographs, and the like received by the writer from others should also be given under "Acknowledgements." In general, everything that is not of the student's knowledge and composition must be acknowledged.

A FOREWORD is required stating the source of the information used in the paper, such as summer employment, inspection trips, etc.

Papers should be from 2,000 to 4,000 words in length for students entering Third or Fourth year, and from 3,000 to 5,000 for students entering Fifth year. The student is therefore strongly advised to select a topic which can be treated with reasonable completeness within these limits.

Unless absolutely essential, it is not desirable to accompany essays with samples and specimens. Careful writing and adequate illustration will usually make these unnecessary. All drawings must be folded to 8½ x 11 inch size.

Papers must be TYPEWRITTEN, double-spaced, on one side ONLY of 8½ x 11 inch white paper of good quality, with a wide margin for binding, and enclosed in a standard cover obtainable from the University Book Shop.

RANKING OF TECHNICAL PAPERS

Technical Papers are ranked according to schedules A and B below. To achieve pass standing, a student must obtain at least 50% of the marks in each schedule separately.

A—Composition (50 marks)

Clarity, phraseology, style, grammar, spelling, definitions and terminology.

B—Content (35 marks)

Suitability, analysis, exposition, accuracy, completeness, illustrations.

Presentation (15 marks)

Foreword, neatness, arrangement, table of contents, sections and paragraphs, references, bibliography, typography.

After ranking, essays, except those to be considered for prizes or those which must be rewritten, are returned to the writers. Essays considered for prizes, but not awarded any, are also returned, but at a later date.

Prize-winning papers become the property of the Engineering Undergraduates' Society and are filed for permanent reference in the Engineering Library. Any student who does not wish to surrender his essay should, therefore, indicate by letter ATTACHED THERETO that it is not to be considered for a prize.

Students are encouraged to submit their essays to the Engineering Institute of Canada, to the Canadian Institute of Mining and Metallurgy, to the Institute of Radio Engineers, or to the Society of Chemical Industry in competition for prizes offered by these institutes. A student wishing to enter one of these competitions should so indicate by letter ATTACHED TO his essay.

Technical Papers, unless submitted by mail, must be handed in before the close of Registration (4:00 p.m.) on Registration Day, Friday, September 22nd, 1961, to the staff member or other officer by whom the student is registered. Essays may be submitted by mail to the Dean's Office, Engineering Building. They must be received before 1 p.m. on Saturday, September 16th, 1961.

Students who do not submit or hand in summer essays before these stated times will be regarded as having failed the essay for their year.

Descriptions of Courses

SCHOOL OF ARCHITECTURE

The School of Architecture is under the administrative jurisdiction of the Faculty of Engineering.

Director and Professor	JOHN BLAND
Associate Professors	PETER COLLINS HAROLD SPENCE-SALES
Assistant Professors	WATSON BALHARRIE JOHN SCHREIBER DOUGLAS SHADBOLT GORDON WEBBER STUART A. WILSON
Sessional Lecturers	GENTILE TONDINO HUGH VALENTINE ORSON WHEELER

SECOND YEAR

113. ARCHITECTURAL DRAWING. Descriptive geometry; orthographic projection; simple pictorial representation; perspective by various methods; shades and shadows; interpenetrations; developments; lettering.

1 lecture and 6 hours problems per week, second term.

Professor Schreiber

114. ELEMENTS OF DESIGN. Basic visual elements, line, form, colour, texture. Practical experiments in water colour, tempera, dyes and inks.

1 lecture and 6 hours problems per week, first term.

Professor Webber

116. EUROPEAN ARCHITECTURE, 500 B.C.-1500 A.D. A study of the buildings which were eventually to constitute the prototypes of Renaissance and nineteenth-century architecture. This course (which forms the first part of a three-year cycle continued by courses 134 and 151) is designed to familiarize students with the elements and compositions of buildings, and with methods of architectural criticism.

2 lectures per week, session. *Professor Collins and Mr. Wheeler*

117. ARCHITECTURAL REPORTS. Students are required to prepare a series of papers during the session on specific aspects of the history of architecture. These may be based upon references in literature or other available library records, or they may be studies of actual buildings. Related to Course 116. *Professor Collins*

THIRD YEAR

130. ARCHITECTURAL REPORT. Related to Course 134. Continuation of Course 117. *Professor Collins*

131. BUILDING CONSTRUCTION. Simple architectural form is studied in terms of human purpose, and building materials and techniques. A number of small architectural and construction problems are given to intensify the student's grasp of spatial relationship and constructive sense. An intensive study of a small project is carried out. The design is evolved from the basic conditions of a given problem. Presentation drawings are made and then a set of working drawings is prepared. These are done in order to unfold gradually wood and masonry construction techniques. A small scale model showing all structural members of the building frame is constructed by each student. Studies in line and colour are made of all projects. Practical experiments in construction are carried on in the building laboratory.

1 lecture and 15 hours problems per week, first term;

1 lecture and 18 hours problems per week, second term.

Professors Wilson and Shadbolt

Textbooks: Frame Construction Details (Nat. Lumber Mfg. Ass'n); Gay and Parker, Materials and Methods of Building Construction (Wiley); Graf, Data Sheets (Reinhold); Ramsey and Sleeper, Architectural Graphic Standards (Wiley).

132. ELEMENTS OF DESIGN. Applications of colour and texture experiments to renderings of planes in space. Designing and producing three dimensional tactile structures and the applications of visual aids in the presentation of architectural projects.

2 hours per week, session. *Professor Webber*

133. FREEHAND DRAWING AND MODELLING. Drawing, painting, modelling, and experiments in the forms and techniques of historic manners. Related to Course 135. Classes held in the Montreal Museum of Fine Arts.

2 hours per week, session. *Mr. Tondino*

134. EUROPEAN ARCHITECTURE, 1500-1750. A study of Renaissance theory, as applied to architectural problems in Italy, France and England, with particular reference to the diversity of ways in which the theory was applied.

2 lectures per week, session. *Professor Collins and Mr. Wheeler*

830. TECHNICAL PAPER. (See page 1449).

FOURTH YEAR

145. CIVIC DESIGN. The elements of form in buildings; buildings and their surroundings; design in the urban setting.

1 lecture per week, session. *Professor Spence-Sales*

146. ARCHITECTURAL REPORT. Related to Course 151. Continuation of Course 130, but the chosen subject should be related as far as possible to present-day problems. *Professor Collins*

147. BUILDING CONSTRUCTION. Various structural systems and their architectural significance; construction and finish of walls, floors, ceilings, and roofs; provision for mechanical services; by-law requirements. In continuation of Course 131, students carry out a number of full scale mock-ups of parts of their design projects, thus familiarising themselves with architectural detail and workmanship. In the studio, detailed working drawings of one of the projects are prepared. Related to course 148.

1 lecture per week, session; 6 hours problems per week, first term.

Professors Wilson and Shadbolt

Textbooks: Huntingdon, Building Construction (Wiley); National Building Code (Queen's Printer).

148. DESIGN, CLASS A. Design and planning aspects of buildings of timber, load bearing masonry and simple frame. Students are given 4 to 5 specific problems during the session, covering buildings of domestic, recreational, commercial or civic character. Each problem is discussed in general terms of functional requirements and visual expression with reference to siting, structure and the use of materials. Research is carried out into similar types of buildings existing in Canada and elsewhere and preliminary studies are presented for criticism and comment. After this, a set of final presentation drawings is prepared including perspectives and design details to a large scale. 5 to 6 one-day problems of architectural or purely decorative character are introduced during the session to develop the imagination and the ability to produce quick, effective presentation drawings.

9 hours per week, first term; 15 hours per week, second term.

Professor Schreiber

150. FREEHAND DRAWING AND MODELLING. Drawing, painting and modelling with practical experiments in design form. Continuation of Course 133. Classes held in the Montreal Museum of Fine Arts.

2 hours per week, session. *Mr. Tondino*

151. CHANGING IDEALS IN MODERN ARCHITECTURE, 1750-1950. A study of the theories which constitute the basis of modern architectural thought, as exemplified by contemporary writings and buildings.

2 lectures per week, session. *Professor Collins*

162. DESIGN WORKSHOP. Study of light in relationship to architecture; model-making for light experiments; photographic recordings; photograms. Design of structures to illustrate objects in spatial relationship; solid, linear, and transparent objects.

2 hours per week, session. *Professor Webber*

840. TECHNICAL PAPER. (See page 1449.)

FIFTH YEAR

152. SOCIAL OBSERVATION FOR ARCHITECTS. Architecture in cultural perspective; community planning and culture change. Ethnic groups in the urban community. Characteristic patterns of race relationships, and the requirements of such groups for housing. Slum organization; personality types and characteristic social organization in designated segments of the community. The general patterns of the urban community; processes of growth and change. The role of interest groups, pressure groups and communication in the development of the urban community.

Architecture and the organization of work; types of job openings for architects. Types of careers and stages of careers among architects.

2 hours conference per week, session.

Mrs. Lamb and members of Staff, Department of Sociology

160. ARCHITECTURAL REPORT. Related to Course 163. *Professor Bland*

161. DESIGN, CLASS B. Continuation of course 148. Problems are of more complex nature structurally and from the planning point of view. One problem is carried through to working drawings and more detailed consideration of structure.

1 lecture and 17 hours problems per week, session. *Professor Shadbolt*

163. HISTORY OF ARCHITECTURE IN CANADA. French, British and American influences in the Maritime Provinces, Quebec and Ontario. Course is related to Course 160.

2 lectures per week, session. *Professor Bland*

164. PLANNING. Elements of town planning; surveys of selected districts of Montreal. The course consists of environmental studies directed at a wider understanding of architectural and civic design.

2 lectures per week, session. *Professor Spence-Sales*

165.
166. } SKETCHING SCHOOL. Students are required to attend two sketching schools during their course. The school is usually conducted out of town so that students are given the opportunity of examining and making graphic records of an unfamiliar district. About 10 days; opening date Monday, September 11th, 1961. *Professors Webber and Wilson*

178. DESIGN WORKSHOP. Special experiments in which the individual student presents a subject as a model, such as a theatre stage, a small house, furniture, a mural, a pamphlet, etc.

3 hours per week, first term. *Professor Webber*

850. TECHNICAL PAPER. (See page 1449.)

SIXTH YEAR

175. ARCHITECTURAL REPORT. Related to Course 179. *Professor Bland*

176. DESIGN, CLASS C. Complex buildings or groups of buildings usually including a housing problem and a commercial or a public building. Diploma design for graduation is done in the second term. The subject is selected by the student, but must be presented for approval before

January 3rd each year; presentation must be in the form of a written report and preliminary plans.

24 hours problems per week, session. *Professor Bland, staff and visitors*

177. DESIGN SEMINAR. This course provides an opportunity for the discussion of current design problems and notable buildings in Canada with their architects and in some cases owners or persons concerned with their operation. *Professor Bland, staff and visitors*

179. MONUMENTAL BUILDINGS. Points of view concerning significant buildings in the 20th century. A consideration of contemporary criticism. Related to Course 175.

2 lectures per week, session. *Professor Bland*

180. PROFESSIONAL PRACTICE. Essential characteristics and more important phases of the architect's work; relationship to the owner; responsibility; business conduct; fees; supervision; arbitration; issuing of certificates; competitions; standard forms of contracts; payment; liens; servitudes; public health; building regulations.

1 lecture per week, session. *Mr. Hugh Valentine*

181. SPECIFICATIONS. Principles of writing architectural specifications; discussion of actual specifications; essays on common building materials; practice in specifying for common trades.

2 lectures per week, first term. *Professor Balharrie*

Textbooks: Sleeper, Architectural Specifications (Wiley); National Building Code (Queen's Printer); N.H.A. Specifications.

860. TECHNICAL PAPER. (See page 1449.)

DEPARTMENT OF CHEMICAL ENGINEERING

Professor	J. B. PHILLIPS, *Chairman*
Assistant Professors	W. J. M. DOUGLAS
	K. A. SHELSTAD
Special Lecturer	WILLIAM GAUVIN
Demonstrators	

THIRD YEAR

240. CHEMICAL ENGINEERING PROBLEMS. Applications of physical and chemical principles to some fundamental problems in Chemical Engineering.

2 lectures and 3 hours problems per week, session. *Professor Phillips*

830. TECHNICAL PAPER (See page 1449).

FOURTH YEAR

260. CHEMICAL TECHNOLOGY. Technology of chemical industries; acids; alkalis; gases; organic synthesis and pressure processes; materials of construction; flow-sheets; economic principles; stoichiometry; combustion.

3 lectures per week, session. *Professor Phillips*

Reference book: Shreve, Chemical Process Industries (McGraw-Hill).

262. CHEMICAL ENGINEERING LABORATORY I. Experiments in fluid mechanics, heat transfer, nitration, steam turbine, and shop practice.

3 hours per week, session. *Professor Douglas and Demonstrators*

264. ELEMENTARY CHEMICAL ENGINEERING. Introduction to fluid mechanics. Basic concepts and irrotational flow; laminar flow in closed circuits; dimensional analysis in fluid dynamics; elementary concepts of turbulence, and turbulent flow in closed circuits; the boundary layer and the laminar sublayer; heat transfer by conduction; dimensional analysis in convection heat transfer; laminar flow and turbulent flow heat transfer in closed conduit; heat transfer during condensation and vaporization of pure vapors.

3 lectures per week, session. *Dr. Gauvin*

Textbook: Knudsen and Katz, Fluid Dynamics and Heat Transfer (McGraw-Hill).

265. PROBLEM PERIOD. Supervised problems in the subject matter of Courses 260, 262, 264, 268.

3 hours per week, session. *The Staff*

266. INORGANIC CHEMICAL TECHNOLOGY. First term of Course 260, in part.

2 lectures per week, first term. *Professor Phillips*

268. THERMODYNAMICS. The first law, including enthalpy balances, heats of reaction, flow processes; the second law; thermodynamic cycles and charts; elementary chemical reaction equilibria.

2 lectures per week, session. *Professor Douglas*

Textbook: Smith and Van Ness, Introduction to Chemical Engineering Thermodynamics (McGraw-Hill).

840. TECHNICAL PAPER. (See page 1449.)

FIFTH YEAR

280. CHEMICAL ENGINEERING (A). Crushing and grinding; fluid flow in packed beds; fluidization; filtration; sedimentation; evaporation; radiation; humidification; drying; dimensional analysis.

3 lectures per week, session. *Professor Shelstad*

Textbook: McCabe and Smith, Unit Operations of Chemical Engineering (McGraw-Hill).

282. CHEMICAL ENGINEERING (B). Study of unit operations based on diffusional processes: absorption; extraction; distillation; assigned problems.

3 lectures per week, session. *Professor Douglas*

Textbook: as for Course 280.

284. CHEMICAL ENGINEERING DESIGN. Methods and calculations in the design of chemical process equipment. Economic balance in processes.

2 lectures per week, session. *Professor Phillips*

285. INSTRUMENTATION AND AUTOMATIC PROCESS CONTROL. Instrumentation and automatic control in the process industries.

2 lectures per week, first term. *Professor Douglas*

286. CHEMICAL ENGINEERING LABORATORY II. Experiments in the topics discussed in Courses 280 and 282, with reports; supervised problem periods in related work.

3 hours laboratory and 3 hours problems per week, session.

Professor Shelstad and Demonstrators

287. APPLIED REACTION KINETICS. Measurement and calculation of rates of chemical reactions; order of reaction; energetics of reactions; catalysis; applications in design of reactors.

2 lectures per week, second term. *Professor Shelstad*

288. THERMODYNAMICS. Advanced topics in refrigeration and evaporation; physical equilibria and properties of non-ideal systems. Chemical reaction equilibria, equilibrium conversion, and estimation of equilibrium constants from thermal data.

2 lectures per week, session. *Dr. Gauvin*

Reference Book: Dodge, Chemical Engineering Thermodynamics (McGraw-Hill).

850. TECHNICAL PAPER (See page 1449.)

POSTGRADUATE COURSES

Graduates in Chemical Engineering may proceed, if their work has been of sufficiently high standard, to the Master's degree in Chemistry or in Chemical Engineering. See Announcement of the Faculty of Graduate Studies and Research.

DEPARTMENT OF CHEMISTRY

Professors	CARL A. WINKLER, *Chairman*
	C. B. PURVES
	L. YAFFE
Associate Professors	R. K. HOLCOMB
	J. H. MENNIE
	R. V. V. NICHOLLS
	A. S. ROSS
	H. I. SCHIFF
	A. TAURINS
Assistant Professors	G. C. B. CAVE
	J. T. EDWARD
	G. E. JUST
	M. ONYSZCHUK
	R. F. ROBERTSON
	A. SEHON
Research Associates	D. A. I. GORING
	O. MAASS
	R. ST. J. MANLEY
	S. G. MASON
	W. A. MUELLER
	A. A. ROBERTSON
	T. TIMELL
Senior Instructor	C. E. DROVER

FIRST YEAR

902 (Arts and Science 111). GENERAL CHEMISTRY. A general survey of Inorganic Chemistry. This includes Atomic and Kinetic-Molecular theory, the theory of Ionization, with elementary examples of ionic equilibrium, rates of chemical reaction, law of mass action, oxidation and reduction, the electromotive series of the metals, the Periodic Law and the Electronic theory of Valence. The preparation and properties of the more important elements and their compounds in relation to atomic and molecular structures are emphasized.

2 lectures per week. *Professors Just, Nicholls, Onyszchuk, Winkler and Yaffe*

1 tutorial per week. *Professors Holcomb, Nicholls and Onyszchuk*

Textbook: Luder, Vernon and Zuffanti, General Chemistry, 2nd ed. (Saunders).

Laboratory: The lectures are supplemented by descriptive and quantitative experiments, including volumetric analysis, illustrative of the important principles and theories.

3 hours per week. *Professors Holcomb, Nicholls and Onyszchuk*

SECOND YEAR

922. PHYSICAL CHEMISTRY. Introductory treatment of the following topics: states of matter, thermodynamics, phase rule, colligative properties of solutions, chemical equilibrium, reaction kinetics, and electrochemistry. The solution of numerical problems is emphasized.

2 lectures and 1 hour tutorial per week. *Professors Schiff and Sehon*

Textbook: W. H. Hamill and R. R. Williams, Principles of Physical Chemistry (Prentice-Hall).

THIRD YEAR

940 (Arts and Science 211). INORGANIC CHEMISTRY. A systematic, detailed description of the properties of the elements and their compounds based upon the periodic classification of the elements. This includes an introduction to the relation between properties, structure and types of bonding.

2 lectures per week. *Professors Holcomb and Onyszchuk*

Textbook: R. B. Heslop and P. L. Robinson, Inorganic Chemistry (Elsevier).

944 (Arts and Science 231). INORGANIC QUANTITATIVE ANALYSIS (INTRODUCTORY). Reactions of electrolytes in solution; ionization constant; solubility product constant; common-ion effect. Theory of gravimetric and volumetric precipitation; theory of indicators and acid-base titrations; oxidation-reduction methods.

Laboratory: Simple gravimetric determinations; typical volumetric procedures including precipitation, neutralization, and oxidation-reduction methods. All samples are solids which must be weighed and brought into solution by the student.

1 lecture and 6 hours laboratory per week. *Professor Mennie*

Textbook: Kolthoff and Sandell, Quantitative Inorganic Analysis (Macmillan).

948 (Arts and Science 202). ORGANIC CHEMISTRY. A survey of the chemistry of carbon and of the principal families of its compounds, including a commentary on their nomenclature, occurrence, preparation, properties and uses. Monofunctional compounds and the principles of homology, functionality and isomerism will be stressed.

2 lectures and 1 tutorial per week, session. *Professor Nicholls*

Textbook: Brewster, Organic Chemistry, A Brief Course (Prentice-Hall).

952 (Arts and Science 221). ORGANIC CHEMISTRY (INTRODUCTORY). A survey of the nomenclature, occurrence, preparation, properties, and uses of the

more important classes of carbon compounds, and of the principles of functionality and isomerism. Greater stress will be laid on aliphatic chemistry, including carbohydrates and proteins, than on the chemistry of aromatic and heterocyclic compounds.

3 lectures and 1 voluntary tutorial per week. *Professor Purves*

Textbook: To be announced.

954 (Arts and Science 230). INORGANIC QUANTITATIVE ANALYSIS. This course is intended for students in Mining Engineering. Lectures are the same as in course 944.

Laboratory: Representative gravimetric and volumetric laboratory procedures.

1 lecture and 3 hours laboratory per week. *Professor Mennie*

Textbook: Kolthoff and Sandell, Quantitative Inorganic Analysis (Macmillan).

FOURTH YEAR

964 (Arts and Science 345). CHEMICAL THERMODYNAMICS AND ELECTROCHEMISTRY. First and second laws, entropy, free energy, activity and fugacity in ideal and real solutions. Solutions of strong electrolytes. Electrode potentials, electrochemical cells, electrolytic conduction and electrolysis, specific and equivalent conduction, mobility and transport numbers, overvoltage and polarization.

3 lectures per week. *Professor Robertson*

Textbooks: Klotz, Chemical Thermodynamics (Prentice Hall); Lewis and Randall, Thermodynamics (McGraw-Hill); Glasstone, Introduction to Electrochemistry (Van Nostrand).

966 (Arts and Science 470). CHEMISTRY AND TECHNOLOGY OF HIGH POLYMERS. Organic (carbon) and inorganic (silicon) polymers; nature of polymeric molecules; relationship between molecular structure and physical, chemical, and mechanical properties; experimental methods for controlling and determining the structures of polymers; properties of commercially available materials; methods of fabrication.

1 lecture per week *Professor Nicholls*

968 (Arts and Science 342). PHYSICAL CHEMISTRY LABORATORY. Simple physico-chemical methods of investigating kinetic and thermodynamic properties of gases, liquids and solutions.

3 hours per week. *Professor Ross*

Textbook: Daniels, Matthews, Williams, Bender and Alberty, Experimental Physical Chemistry, 5th ed. (McGraw-Hill).

References: Livingston, Physico Chemical Experiments (Macmillan); Palmer, Experimental Physical Chemistry (Cambridge).

972. ORGANIC CHEMISTRY LABORATORY.

6 hours per week, session. *Professor Just*

Textbooks: Fieser,Experiments in Organic Chemistry, 3rd ed. (Heath and Co.); Shriner, Fuson and Curtin, The Systematic Identification of Organic Compounds, 4th ed. (Wiley).

FIFTH YEAR

984. PHYSICAL CHEMISTRY LABORATORY. Physical-chemical measurements related to the requirements of chemical engineering design and practice.

3 hours per week. *Professor Ross*

Textbook: Daniels, Matthews, Williams, Bender and Alberty, Experimental Physical Chemistry, 5th ed. (McGraw-Hill).

References: Weissberger, Techniques of Organic Chemistry: Vol. I, Physical Methods; Vol. IV, Distillation; Vol. VIII, Investigation of Rates and Mechanisms of Reactions (Interscience); Reilley and Rae, Physico Chemical Methods (Van Nostrand).

986 (Arts and Science 461). COLLOID CEHMISTRY. Descriptive, thermodynamic and kinetic treatment of the properties of surfaces, sols, emulsions, and gels.

1 lecture per week. *Professor Robertson*

References: Weiser, Colloid Chemistry, 2nd ed. (Wiley); Adam, Physics and Chemistry of Surfaces, 3rd ed. (Clarendon Press); Brunauer, Absorption of Gases and Vapors, Vol. I (Princeton Univ. Press); Alexander and Johnson, Colloid Science (Oxford); Harkins, Physical Chemistry of Surface Films (Reinhold); Jirgensons and Straumanis, Short Textbook of Colloid Chemistry; Gregg, The Surface Chemistry of Solids (Reinhold).

988. ELECTROCHEMISTRY. Electrolytic conduction and electrolysis; Faraday's laws; specific and equivalent conductance and measurement of conductance; mobility and transport number; thermodynamics of cells; electrode potentials; concentration cells; liquid junction potentials; polarization phenomena; overvoltage; electrode kinetics.

1 lecture per week. *Professor Ross*

Textbook: Glasstone, Introduction to Electrochemistry (Van Nostrand).

DEPARTMENT OF CIVIL ENGINEERING AND APPLIED MECHANICS

Professors	CARLETON CRAIG, *Chairman*
	J. L. DE STEIN
Associate Professors	L. J. ARCAND
	P. J. HARRIS
	G. W. JOLY
	S. A. NEILSON
	ANDREJS PAKALNINS
	V. W. G. WILSON
Assistant Professors	C. GOLDMAN
	W. MATHISON
	D. A. SELBY
	R. YONG
Lecturers	J. ADJELEIAN
	S. I. AHMED
	W. T. PERKS
Demonstrators	

320. MECHANICS. Kinematics, dynamics and statics of particles; impulse, impact, and energy methods; friction; analytical and graphical analysis of simple beams and frameworks; graphical statics.

2 lectures and 2 hours problems per week, session.

Professor de Stein and Staff

Textbooks: Higdon and Stiles, Engineering Mechanics (Prentice-Hall); Timoshenko and Young, Engineering Mechanics (McGraw-Hill).

321. MATERIALS OF ENGINEERING. An account of the sources, winning, general properties, trade practices and economics of both non-metallic and metallic materials and their products used in engineering construction and in the manufacturing industries, with emphasis on those not discussed in more detail in subsequent courses.

The Metals section of the course considers the structure and engineering behaviour of metals; solidification theory and casting practice; fabrication methods; availability and costs. Special attention is given to the development and use of irons, steels and the non-ferrous alloys of engineering importance.

1 lecture per week, session. *Professors Pakalnins and Yates*

Textbook: University notes.

324. SURVEYING. Early practice and origin of instruments; the level—types and limitations; optics; direct and indirect levelling exercises; the

compass and its uses; the transit—the vernier, horizontal and vertical angles, types of traverses, stadia; the chain and tape—uses and limitations; units of measurements; latitudes and departures; areas; simple circular curves.

2 lectures per week, second term. *Professor Arcand and Staff*

Textbooks: Breed, Surveying (Wiley); Kissam, Surveying (McGraw-Hill; Davis and Foote, Surveying (McGraw-Hill); Parker and McGuire, Simplified Site Engineering for Architects and Builders (Wiley).

THIRD YEAR

340. MECHANICS. Kinematics, dynamics and statics of systems of particles, and of rigid bodies; variable rectilinear and curvilinear motion; simple harmonic motion, translation and rotation of rigid bodies; internal forces, energy methods, impact, gyroscopes.

2 lectures per week, session. *Professor Joly and Staff*

Textbooks: Higdon and Stiles, Engineering Mechanics (Prentice-Hall); Timoshenko and Young, Engineering Mechanics (McGraw-Hill).

341. STRUCTURAL DRAWING. Introduction to layout and detail drawings for structures in steel, timber, and reinforced concrete.

3 hours per week, first term. *Professor Harris*

343. MECHANICS. This course covers the first half of course 340 with some modifications.

2 lectures per week, session.

350. SURVEYING. Adjustments of level and of transit; theory and use of the polar planimeter; latitudes and departures; areas; plotting co-ordinates; partition of land; missing sides; stadia surveying; cross-sections, grids, and slope stakes; circular curves; vertical curves; the spiral; chaining errors and corrections.

2 lectures per week, first term. *Professor Arcand and Staff*

Textbooks: Breed, Surveying (Wiley); Davis and Foote, Surveying McGraw-Hill).

351. SURVEYING PROBLEMS. Earthwork calculations using polar planimeter; problems in surveying.

3 hours per week, first term. *Professor Arcand and Staff*

Textbook: Sloane and Montz, Elements of Topographic Drawing (McGraw-Hill).

352. SURVEY SCHOOL. Training in use of hand level; surveyor's compass; level and transit. Pacing and chaining of polygons; topographic details

by offsets and by stadia; profiles; circular curves; calculations of areas; plotting of grid and topographic maps.

4 weeks' summer school in April and May. *Professor Arcand and Staff*

830. TECHNICAL PAPER (see page 1449).

FOURTH YEAR

360. STRUCTURAL DESIGN I. Beams; plate girders; columns; roof trusses; riveted and welded connections; working drawings; estimating quantities and costs.

2 lectures and 2 hours problems per week, first term (architects only).

2 lectures and 2 hours problems per week, second term.

Professors Joly and Selby

Textbooks: Williams and Harris, Structural Design in Metals (Ronald); Steel Construction (A.I.S.C.); Standard Specifications for Steel Structures for Buildings (C.S.A.).

362. FOUNDATIONS AND MASONRY. Soil structure, soil properties and characteristics, subsurface exploration methods, bearing capacity of soils, settlement and consolidation, lateral earth pressure theories, design of footings and retaining walls.

1 lecture per week, 3 hours problems per week, session. *Prof. Yong*

Textbook: Capper and Cassie, Mechanics of Engineering Soils (McGraw-Hill).

Reference Books: Tschebotarioff, Soil Mechanics, Foundations, and Earth Structures (McGraw-Hill); Terzaghi, Theoretical Soil Mechanics (Wiley); Taylor, Fundamentals of Soil Mechanics (Wiley).

363. FOUNDATIONS AND MASONRY. Similar to course 362. *Prof. Yong*

1 lecture per week, session.

3 hours problems per week, second term.

364. HYDRAULICS AND LABORATORY. Properties of fluids; hydrostatics; measurement of flow with orifices, weirs and Venturi meters; Bernoulli's theorem; laminar and turbulent flow; flow in pipes and open channels; divided flow.

2 lectures per week, first term. *Professor Wilson*

3 hours laboratory per week, first term. *Professor Wilson and Staff*

Textbook: Daugherty and Ingersoll, Fluid Mechanics, 5th ed. (McGraw-Hill).

368. MAP PROJECTIONS. Graphical determination of spherical triangles; spherical projections; construction of maps.

1 lecture and 2 hours problems per week, first term. *Professor Arcand*

371. HIGHWAY ENGINEERING. Surveys, grades, curvature, earthwork, paving materials, economics of location, location project, and estimate.

2 lectures per week, first term.

3 hours problems per week, first term. *Professor Pakalnins*

Textbooks: Allen, Railway Curves and Earthwork (McGraw-Hill); Williams, Design of Railway Location (Wiley); Tratman, Railway Track and Trackwork (McGraw-Hill); Bruce, Highway Design and Construction (Int. Textbook Co.); Tschebotarioff, Soil Mechanics, Foundations, and Earth Structures (McGraw-Hill); University notes.

372. RAILWAY ENGINEERING. Surveys, grades, curvature, earthwork, velocity profile, economics of location and operation.

1 lecture per week, second term. *Professor Pakalnins*

3 hours problems per week, second term.

373. STRENGTH OF MATERIALS. Stress, strain, resilience, and elastic properties of materials; bending moment and shear diagrams; simple, fixed, and continuous beams; reinforced concrete beams; torsion and bending in shafts and springs; columns; bending combined with direct stress; elementary consideration of compound stresses; distribution of shear.

2 lectures per week, session. *Professor de Stein and Staff*

3 hours laboratory per week, second term. *Professor Wilson and Staff*

Reference books: Morley, Strength of Materials (Longmans Green); Timoshenko-MacCullough, Elements of Strength of Materials (Van Nostrand); Warnock, Strength of Materials (Pitman); Muhlenbruch, Experimental Mechanics and Properties of Materials (Van Nostrand).

376. SURVEYING AND ASTRONOMY. Surveying for construction; marine and box sextants; the alidade and its use; barometric and trigonometric levelling; hydrographic surveying; mine surveying; elements of geodetic surveying; historical and practical astronomy; solution of the ZPS triangle for azimuth, latitude, longitude, and time.

2 lectures per week, session. *Professor Arcand*

Textbooks: Davis and Foote, Surveying (McGraw-Hill); Hosmer and Robbins, Practical Astronomy (Wiley); Rayner, Advanced Surveying (Van Nostrand); Kissam, Surveying for Civil Engineers (McGraw-Hill).

377 SURVEY SCHOOL. Preliminary railway or highway survey with transit, profile, and topography parties; plane table, hand level, and stadia; spiral curves; cross-sections; simple triangulation networks; reciprocal levelling; soundings; current-meter surveys; introduction to mine surveying; small geological survey with Brunston compass and chain; astronomical observations.

4 weeks' summer school in April and May. *Professor Arcand and Staff*

378. SURVEY SCHOOL. The first 2 weeks of course 377.

840. TECHNICAL PAPER (see page 1449).

FIFTH YEAR

380. STRUCTURAL DESIGN II. Selection and design of members; riveted and welded connections; timber details and design; loading for bridge and building design; building frames; bridge design; economic factors in design.

1 lecture and 3 hours problems per week; first term

2 lectures and 5 hours problems per week; second term.

Professor de Stein

Textbooks: Sutherland and Bowman, Structural Design (Wiley); Williams and Harris, Structural Design in Metals (Ronald).

381. DYNAMICS AND VIBRATION. Rotating axes; Lagrange equations; kinematics of vibration; complex representation; damping; resonance; coupled systems.

(*Given in 1961-62 and alternate years.*)

1 lecture per week, first term; 2 lectures per week, second term.

Professor Craig

Reference books: Den Hartog, Mechanical Vibrations (McGraw-Hill); Timoshenko, Vibration Problems in Engineering (Van Nostrand); Von Karman and Biot, Mathematical Methods in Engineering (McGraw-Hill); Norris, Hansen, etc., Structural Design for Dynamic Loads (McGraw-Hill).

One of courses 381 and 383 is given each year to both Fourth and Fifth year students in the applied mechanics option. The courses are given from the engineering point of view, with special attention to methods of approximation.

382. FOUNDATIONS AND REINFORCED CONCRETE. Design of footings, retaining walls, stability of slopes, and underpinning. Bearing piles, pile caps, sheet piling.

2 lectures per week and 3 hours problems per week, second term.

Professors Harris and Selby

Reference books: Dunham, Foundations of Structures (McGraw-Hill); Chellis, Pile Foundations (McGraw-Hill); Terzaghi and Peck, Soil Mechanics in Engineering Practice (Wiley); Jacoby and Davis, Foundations of Bridges and Buildings (McGraw-Hill).

383. FLUID MECHANICS. Dimensiional analysis; kinematics of fluid flow; mechanics of resistance; boundary layers; open channel flow; dynamic lift and propulsion.

(*Given in 1960-61 and alternate years.*)

1 lecture per week, first term; 2 lectures per week, second term.

Professor Craig

Reference books: Rouse, Fluid Mechanics for Hydraulic Engineers (McGraw-Hill); Hunsaker and Rightmire, Engineering Applications of Fluid Mechanics (McGraw-Hill); Rouse, Advanced Mechanics of Fluids (Wiley); Chow, Open Channel Hydraulics (McGraw-Hill).

384. GEODESY. Adjustment and reduction of observations for horizontal and vertical control systems; figure of the earth; determination of azimuth, latitude, and longitude; level datum planes; gravimetric surveys; errors of observation; shoran trilateration.

Reference books: Hosmer, Goedesy (Wiley); Sharp, Geodetic Control Surveying (Wiley).

2 lectures per week, second term. *Professor Arcand*

385. GEODETIC LABORATORY. Measurement of magnifying power, of eccentricity of circles, and of small angles with sextant; determination of gravity, of error of run of theodolite microscopes, of constant of steel tapes, and of scale value of level vials; investigation of errors of graduation of steel bars and tapes and of transit circles; testing aneroid barometers.

3 hours per week, second term. *Professor Arcand*

386. HYDRAULIC MACHINES. Hydraulic problems in design and operation of hydro-electric projects; characteristics of impulse, reaction, and propeller turbines; specific speed; unit power; reduction of model tests; flow measurements for tests; centrifugal pumps.

2 lectures per week, second term. *Professor Wilson*

Textbooks: Creager and Justin, Hydro-Electric Handbook (Wiley), Hunsaker and Rightmire, Engineering Applications of Fluid Mechanics (McGraw-Hill).

Reference book: Daugherty and Ingersoll, Fluid Mechanics, 5th ed. (McGraw-Hill).

387. MUNICIPAL ENGINEERING. Basic engineering and biological principles of the design and construction of water supply and purification systems, and sewerage and sewage disposal works, with selected problems.

2 lectures and 3 hours problems per week, first term.

2 lectures per week, second term. *Professor Pakalnins*

Textbook: Steel, Water Supply and Sewerage (McGraw-Hill).

388. PHOTOGRAMMETRY AND LABORATORY. History and development; definitions, stereoscopy; parallax formulae; topographic mapping; photo interpretation; field control; tilt; radial line plotting; mosaics; oblique photography; mapping instruments.

2 lectures per week, second term; 3 hours laboratory per week, second term.

Textbook: Sharp, Practical Photogrammetry (MacMillan); L. G. Trorey, Handbook of Aerial Mapping and Photogrammetry (Macmillan).

Reference Books: Bagley, Aero Photography and Aero Surveying (McGraw-Hill); Gruber, Photogrammetry (Chapman and Hall); Manual of Photogrammetry (American Society of Photogrammetry).

390. REINFORCED CONCRETE. Analysis of reinforced concrete sections, design of continuous beams and slabs. Diagonal tension, bond and anchorage stresses. Economic considerations in framing systems.

2 lectures and 2 hours problems per week, first term. *Professor de Stein*

Reference books: Sutherland and Reese, Reinforced Concrete Design (Wiley); Standard Specifications for Concrete (C.S.A.); Large, Basic Reinforced Concrete Design (Ronald).

391. STRENGTH OF MATERIALS. Bending and deflection of beams loaded and supported in any manner; deflection due to shear; principle of least work applied to beams and to statically indeterminate problems; bending of curved bars and of unsymmetrical sections; elastic strains; relation between elastic constants; thick shells.

2 lectures per week, first term. *Professor Joly*

Reference books: Morley, Strength of Materials (Longmans Green); Seely and Smith, Advanced Mechanics of Materials (Wiley).

392. THEORY OF STRUCTURES. Analysis of statically determinate frames under fixed or moving loads; influence lines, deflection of framed structures, braced arches of two and of three hinges; moment distribution, energy methods, principle of least work, analysis of rigid frames and hingeless arches, compound stresses, relations among elastic constants, stresses in curved beams and in thick tubes, theories of failures.

2 lectures and 5 hours problems per week, first term

2 lectures and 3 hours problems per week, second term. *Professor Craig*

Reference books: Sutherland and Bowman, Structural Theory (Wiley); Shedd and Vawter, Theory of Simple Structures (Wiley); Seely and Smith, Advanced Strength of Materials (Wiley).

393. ENGINEERING ANALYSIS. Applications of probability, statistics, queueing theory, linear programming, and games theory to problems in engineering design, control and systems analysis.

2 hours per week, session. *Professor Craig*

Reference books: Goode and Machol, Systems Engineering (McGraw-Hill); Morse, Queues, Inventories and Maintenance (Wiley); Saaty, Mathematical Methods of Operations Research (McGraw-Hill); Williams, The Compleat Strategyst (McGraw-Hill).

394. SURVEY SCHOOL. Practical engineering astronomy, with emphasis on the determination of latitude and azimuth; geodetic astronomy including Bell's method; precise levelling; precise triangulation, with related problems and base line measurements. Equipment available includes transists, precise and semi-precise levels, optical theodolites of various types, sextants, radio equipment for time signals, Monroe calculators.

4 weeks' summer school in April and May. *Professor Arcand and Staff*

395. URBAN PLANNING. Urban transportation systems and related problems, general principles of planning, design and development of residential subdivisions.

1 lecture per week, session. *Professor Pakalnins*

Textbook: Kostka, Planning Residential Subdivisions (University of Manitoba 1954).

399. STRUCTURAL DESIGN II. Similar to course 380.

1 lecture and 3 hours problems per week, first term. *Professor de Stein*

850. TECHNICAL PAPER (see page 1449).

SURVEYING SUMMER SCHOOLS

Surveying field work is required of all students entering the Third year, except those taking Chemical Engineering, of students entering the Fourth year in the courses in Civil and in Mining Engineering. A Survey School for Fourth year students is held in the Spring after the Fourth year if twelve or more students signify their intention of attending it by the preceding January. All schools will begin in 1962 on or about April 25th and will continue for four weeks.

Students entering Third and higher years from other universities or from other faculties, who cannot attend the above courses in Field Work must attend Special Summer Schools.

COURSES FOR THE DEGREE OF MASTER OF ENGINEERING

For particulars of graduate courses offered in Civil Engineering and qualifications for entering the Graduate Faculty, see the Announcemen of the Faculty of Graduate Studies and Research.

The Miron Fellowship for postgraduate research in some field of Applied Science related to the concrete industry, and the John Bonsall

Porter Scholarship in any field of research, are open to any student admitted for postgraduate work in the Department of Civil Engineering. For further particulars see the University Scholarships Announcement.

DEPARTMENT OF ELECTRICAL ENGINEERING

Professors	G. L. D'OMBRAIN, *Chairman* F. S. HOWES
Professor (Post-retirement)	G. A. WALLACE
Associate Professors	T. H. BARTON G. W. FARNELL T. J. F. PAVLASEK W. H. SCHIPPEL
Assistant Professors	E. L. ADLER R. P. COMSA
Lecturers	C. W. BRADLEY B. A. HOWARTH A. MALOWANY H. H. SCHWARTZ P. SILVESTER

Demonstrators—To be appointed.

THIRD YEAR

441. CIRCUIT ANALYSIS. Similar to course 442, but with subject matter treated to a greater depth in the first term.

2 lectures per week, session. 3 hours problems, second term.

442. CIRCUIT ANALYSIS. The fundamentals of the analysis of the response of linear circuits to steady, time varying periodic and non-periodic currents and voltages, three-phase circuits and transformers.

2 lectures, 2 hours laboratory or problems, session.

443. CIRCUIT ANALYSIS. The first half of course 441.

2 lectures per week, first term.

830. TECHNICAL PAPER (see page 1449).

FOURTH YEAR

460. ELECTRICAL THEORY AND MEASUREMENTS. More advanced linear circuit theory including transient behaviour and circuits with distributed constants also simple filters. The fundamentals of electrical measurements

including indicating instruments, simple bridges and oscilloscopes. An introduction to acoustics and illumination.

3 lectures per week throughout the session.

461. ELECTRONICS AND COMMUNICATIONS. The fundamentals of thermionic, photo-electric, secondary and high field emission and of conduction through gases. The characteristics of rectifiers and small signal amplifiers using vacuum, gas-filled and solid-state devices. The piecewise-linear analysis of electronic circuits. Simple oscillators. Considerations of frequency, band-width, speed of signalling and the effect of noise on the communication of intelligence. Simple examples of communication systems.

2 lectures per week throughout the session.

462. ENERGY CONVERSION AND TRANSMISSION. Fundamental concepts of energy conversion in rotating electrical machines. Three phase circuits, transmission and distribution systems and methods of control. Simple considerations of direct-current and alternating current motors and generators. Characteristics and starting methods.

2 hours per week throughout the session.

463. LABORATORY. The work in the laboratory is designed to corroborate and supplement the work content of the lecture courses.

6 hours per week throughout the session.

464. TUTORIALS. These periods enable the student to consolidate the content of the lectures.

6 hours per week, session.

465. LABORATORY. The work in the laboratory is designed to corroborate and supplement the lecture courses. Similar to course 463.

6 hours per week, session.

466. LINEAR NETWORK THEORY. Linear network analysis of lumped and distributed parameter systems. Elementary network topology, complex frequency variable and pole-zero representation. Frequency and time domain behaviour. Basic properties of lumped one-port and two-port networks with and without feedback. Introductory analysis of transmission lines.

3 lectures per week, session.

467. ELECTRONICS. Introduction to terminal characteristics of vacuum tube and semiconductor devices. The piecewise linear analysis of electronic circuits. Small-signal amplifiers using vacuum tubes and transistors.

Gain bandwidth considerations in tuned and untuned amplifiers. Introduction to feedback amplifiers. Rectifiers. Oscillators.

2 lectures per week, session.

470. ELEMENTS OF ELECTRICAL ENGINEERING. Construction, principles of operation, and characteristic curves of both direct- and alternating-current generators and motors; single-phase, two-phase and three-phase machinery; direct-current and alternating-current transmission and distribution; transformers with star and delta connections; correction of power factor; rectifiers.

2 lectures per week, session.

Textbook: Gray and Wallace, Principles and Practice of Electrical Engineering (McGraw-Hill).

472. ELECTRICAL ENGINEERING LABORATORY. Operating characteristics of direct-current and of alternating-current generators and motors; transformers; circuits containing resistance, inductance, and capacitance: series and parallel resonance; power-factor correction.

3 hours per week, session.

840. TECHNICAL PAPER (see page 1449).

FIFTH YEAR

480. ELECTRICAL THEORY AND MEASUREMENTS. Fourier series and Fourier integrals. Frequency response of quadripoles and simple filters. Transient response of linear systems, Laplace techniques. Distributed systems. Maxwell equations. Plane wave in free space. Guided waves. Radiation and radiating systems. Absolute and international standards. Direct and alternating current measurements up to and including radio frequencies. Radio-frequency measurements. Photometric measurements.

3 lectures per week, session.

481. ELECTRONIC DEVICES. Conduction in Semiconductors. L.F. and H.F. transistor models and circuits. Conduction in gases. Linear amplifier circuits for D.C. and H.F. amplification. Wide band pulse amplifiers. Bank pass amplifiers. Power amplifiers. Wave shaping and switching circuits. Feedback amplifiers and oscillators. Electron ballistics with application to microwave amplifier tubes.

2 lectures per week, session.

482. CONTROL ENGINEERING. Open and closed loop control. Consideration of simple processes and their representation by linear differential equations. Representation of cascaded transfer lags and distance velocity lags. Determination of transient response. Closed loop stability as a function

of the pole zero location. Nyquist, inverse Nyquist and Bode diagram representation. Components of servomechanism and process systems. Proportional integral and derivative control modes. Single loop and multiloop systems. Measurement transducers for mechanical and process systems.

2 lectures per week, first term.

483. COMBINED ELECTRICAL LABORATORY.

6 hours per week, session.

484. COMBINED ELECTRICAL TUTORIAL.

4 hours per week, session.

485. ENERGY CONVERSION AND TRANSMISSION. Unified theory of rotating machines based on dynamic circuit theory in motion. Steady state performance of d.c. machines, rotating amplifiers, induction motors (single and polyphase), synchronous machines and frequency changers. Transient performance of rotating amplifiers and the polyphase alternator.

Characteristics of overhead lines and cables. Determination of line constants. Equivalent π and T networks, rigorous solution. Symmetrical component theory. Short-circuit calculations. Circuit breaker theory. Principles of relay protection. Grounding and lightning protection. Consideration of system stability. Introductions to standards and CESA code.

3 lectures per week, session.

486. COMMUNICATIONS. Brief history of communication methods; amplitude and angle modulation and demodulation; information theory, system capacity and limitations. Pulses and their spectra; band-width requirements; pulse modulation methods; circuit noise. Radio wave propagation; radiating systems.

3 lectures per week, session.

487. ACOUSTICS. Noise reduction problems. Basic acoustic theory, noise measurements and analysis; vibration fundamentals and measurement; vibration and noise reduction methods and psychoacoustic phenomena.

2 lectures and 3 laboratory periods per week, second term.

488. ELECTRICAL MACHINE DESIGN. Application of electrical theory to the design of electrical power equipment. Preliminary outline, and adjustment to meet specifications, followed by detail design and calculation of electrical constants and characteristics. Application of this procedure to D.C. motor and generator, synchronous machine, induction motor, transformer, reactor.

2 lectures per week, first term. 3 hours laboratory per week, first term.

489. RADIO ENGINEERING DESIGN. Design of Class C amplifier; single and pushpull tank circuits; plate-modulated Class C amplifier; Hartley or Colpitts power oscillator. Design of impedance matching, power splitting and phase shifting networks for antennae. Design of directional antennae array.

2 lectures per week, 3 hours laboratory per week, first term.

490. CONTROL ENGINEERING DESIGN. Performance criteria. Bode diagram applied to design. Non-minimum phase systems. Root-locus technique. Simple statistical considerations. Effect of non-linearities, the use of time series methods. Role of analogue computer in design. The characteristics of servomotors, rotating amplifiers, hydraulic pumps and motors, etc.

2 lectures per week, second term. 3 hours laboratory per week, second term.

491. ELECTROMAGNETIC FIELD THEORY. Revision of vector analysis, electrostatic and magnetostatic fields. Poisson's and Laplace's equation. Maxwell's equations, Poynting's equation, time varying fields.

2 lectures per week, first term.

3 hours laboratory per week, first term.

492. NUMERICAL ANALYSIS. A discussion of some of the methods available for the solution by numerical analysis of equations arising in linear and non-linear electrical engineering problems.

2 lectures per week, first term. 3 hours problems per week, first term.

493. MATHEMATICAL MACHINE METHODS. The application of digital machines to the solution of equations arising in engineering problems using methods developed in course 492.

2 lectures per week, second term. 3 hours problems per week, second term,

494. ELECTRICAL THEORY AND MEASUREMENTS. Similar to course 480, but reduced in content.

2 lectures per week, session.

495. COMBINED ELECTRICAL LABORATORY. Similar to course 483, but reduced in content.

3 hours per week, session.

496. ELECTRIC POWER SYSTEM ANALYSIS. Power network analysis and reduction for calculation of short-circuit current and voltages and for system stability. Determination and use of impedances for generators,

transformers, lines; particularly for zero-sequence current. General principles of transient stability analysis.

2 lectures per week, second term. 3 hours laboratory design per week, second term.

497. POWER MODULATORS FOR CONTROL SYSTEMS. The theory and operation of saturable reactors, static and rotating magnetic amplifiers and controlled rectifiers.

2 lectures per week, first term. 3 hours laboratory design per week, first term.

498. ELECTRICAL SERVICES. Production, measurement, and control of light; design of lighting systems; electrical distribution in residential and commercial buildings; Canadian Electrical Code. Given in alternate years. (*Not given in 1961-62.*)

2 lectures per week, first term.

850. TECHNICAL PAPER (see page 1449).

POSTGRADUATE COURSES

Graduate courses and research facilities are provided for students working for the degrees of M.Eng. and Ph.D. in Electrical Communication Engineering, and the degree of M.Sc. in Electrical Communications. Details are given in the Calendar of the Faculty of Graduate Studies and Research.

ENGINEERING PRACTICE

Coordinator of courses and Lecturer in Reports and Public Speaking — S. A. NEILSON

Lecturers in Engineering Practice — D. L. MORDELL, R. G. K. MORRISON

Lecturer in Engineering Law — HON. MR. JUSTICE G. S. CHALLIES

A series of related courses designed to acquaint the student with the background of his profession, its relation to others, and its place in society, with some consideration of matters not discussed in the professional courses.

THE ENGINEERING LIBRARY

To assist the student in these and in the professional courses, an extensive collection of books, reference material and periodicals is available for his use in the Engineering Library of the Faculty, situated in the Macdonald Engineering Building. The material is of a sufficiently advanced nature to serve for postgraduate research in Engineering.

Lectures are given by the Engineering Librarian to students in the First and Second years on normal library usage. Instruction is also given to Fourth year students by the Assistant University Librarian on the methodology of bibliographic search as related to research in technology.

FIRST YEAR

1500. CONCEPTS OF ENGINEERING. The course is designed to bring to Freshmen something of the concepts of engineering and will include some history, some biography of great engineers and some indications of engineering philosophy.

One lecture per week, session. *The Dean and Staff*

THIRD YEAR

1540. ENGINEERING REPORTS. Use of English, both oral and written, in engineering practice; mechanics of presentation; graphical representation; reproduction methods; job applications; specifications.

1 lecture per week, session. *Professor Neilson and Staff*

Reference Book: French, Notes on Writing for Students in Engineering (McGill).

FOURTH YEAR

1560. ENGINEERING REPORTS. Continuation of Course 1540.

1 lecture per week, session. *Professor Neilson and Staff*

1561. ENGINEERING PRACTICE I. The planning of investment in engineering projects and industrial plant by determining the quantitative basis for decisions while recognizing the importance of irreducible factors: supply and demand of different types of capital; interest rates; amortization; comparison of alternatives; break even point analysis; depreciation, taxation; financial statements; replacement; valuation; government projects.

2 lectures per week, second term.

Professor Morrison and Dean Mordell

Textbook: To be announced.

FIFTH YEAR

1580. ENGINEERING PRACTICE II. Continuation of Course 1561.

2 lectures per week, first term.

Reference Books: Boulding, Economic Analysis (Harper); Dean, Managerial Economics (Prentice-Hall); Grant, Principles of Engineering Economy (Ronald); Petrie, Taxation of Corporate Income in Canada (Univ. of Toronto Press); Specthrie, Industrial Accounting (Prentice-Hall).

1581. ENGINEERING LAW. Definition of law; different branches of law; distinction between civil and criminal law and between civil and common

law; statutes, orders in council, and by-laws; Canadian constitutional law and organization of courts; civil law including marriage, tutorship, minority, and interdiction, types of property, rights of ownership, successions, wills and succession duties, expropriation, servitudes, obligations, responsibility for negligence, Workmen's Compensation Act, privileges, hypothecs, registration, prescription, marriage contracts and rights of women, sale, lease and hire, mandate, engineering and architectural contracts, responsibility of architect and builder; organization of engineering and architectural professions; patents, trademarks, industrial design and copyright; partnership and companies; mining; railways; expert evidence and evidence generally.

2 lectures per week, first term. *Hon. Mr. Justice G. S. Challies*

Reference books: Nord, Legal Problems in Engineering (Wiley); Laidlaw Young, Engineering Law (University of Toronto Press).

DEPARTMENT OF ENGLISH

Professors	RALPH S. WALKER, *Chairman*
	H. G. FILES
	JOYCE HEMLOW
Associate Professors	ALEC LUCAS
	HUGH MACLENNAN
	ARCHIBALD MALLOCH
Assistant Professors	CONSTANCE BERESFORD-HOWE
	CURTIS D. CECIL
	LOUIS DUDEK
	ALAN HEUSER
	SLAVA KLIMA
	IRVING J. MASSEY
	MARTIN PUHVEL
	GORDON F. SLEIGH
Lecturers	WILLIAM T. BOOTH
	ROSEMARY EAKINS
	FRANCIS M. FARAGOH
	CHRISTOPHER A. E. HEPPNER
	GEORGE MATHEWSON
	HUGH SPROULE
	PAUL H. STACY
	DONALD WALLACE
	DAVID E. WARD

1000. ENGLISH LITERATURE AND COMPOSITION (Arts and Science 100).

1 hour lecture and 3 hours tutorial conference per week, session.
Professor Walker and Members of the Department

DEPARTMENT OF GEOLOGICAL SCIENCES

Professors	J. E. GILL, *Chairman*
	T. H. CLARK
	E. H. KRANCK
Associate Professors	V. A. SAULL
	C. W. STEARN
	J. S. STEVENSON
Assistant Professors	L. A. CLARK
	P. R. EAKINS
	J. A. ELSON
	A. J. FRUEH
	G. R. WEBBER
Lecturer	———
Honorary Lecturer	JOHN C. REED
Research Associate	C. DÜSING

THIRD YEAR

1142 (Arts and Science 121). GENERAL GEOLOGY. The earth and the solar system; minerals and rocks composing the earth: erosive forces (weather, wind, rivers, waves, etc.) modifying its surface, and deformative processes (temperature changes, compression, etc.) affecting its subsurface structure; the origin and historical development of the earth and of living things. The economic aspects of all phases of the subject are treated throughout the course.

2 lectures and 2 hours laboratory per week, session. During October the laboratory work is replaced by field excursions.

Professors Clark and Stearn

Text: Leet and Judson, Physical Geology, 2nd ed. (Prentice-Hall, 1958).

Reference books: Agar, Flint, and Longwell, Geology from Original Sources (Holt, 1929); Dapples, Basic Geology for Science and Engineering (Wiley, 1959).

1144 (Arts and Science 221). MINERALOGY. Lectures: crystallography; physical properties and chemical composition of minerals; the more important ore-minerals, industrial minerals, rock-forming minerals; uses and sources of supply of economic minerals. Laboratory: study of crystal models and crystals; methods for the determination of minerals by blowpipe analysis and by related chemical tests; application of these plus physical characters in the identification of minerals.

2 lectures and 3 hours laboratory per week, session; one full day field trip first Tuesday after Thanksgiving. *Professor Stevenson*

References: Berry and Mason, Mineralogy (Freeman) 1959; Ford, Dana's Textbook of Mineralogy (Wiley) 1932; Denne, Mineralogy (Ronald) 1960.

FOURTH YEAR

1163. CRYSTALLOGRAPHY (Arts and Science 1a). Evidence for the periodic nature of crystalline matter. Repetition theory: types of symmetry consistent with translational periodicity; the geometric combination of symmetry elements to derive the 17 plane groups and 4 plane lattices; extension in the third dimension to develop the 230 space groups, the 14 Bravais lattices, and the 32 point groups. Coordinate systems of crystallography, and the indexing of planes and directions. Transformation of coordinate systems. Gnomonic and Stereographic projections. Morphological expression of internal symmetry. The geometry of twinning. Geometric and vector derivation of the reciprocal lattice. X-ray diffraction by periodic structures, including van Laue equations and Bragg's law. The rotating crystal method, and its interpretation by the application of the reciprocal lattice. The powder method, including indexing of powder photographs and the identification of crystalline compounds.

2 lectures and 3 hours laboratory per week, first term. *Professor Frueh*

References: M. J. Buerger, Elementary Crystallography (Wiley); Azaroff and Buerger, The Powder Method in X-ray Crystallography (McGraw-Hill).

1164 (Arts and Science 332, first term only). PETROLOGY. The common igneous, sedimentary, and metamorphic rocks; modes of occurrence; identification by field methods.

2 lectures and 3 hours laboratory per week, first term. *Professor Kranck*

Textbook: G. W. Tyrrell, The Principles of Petrology, 1956.

1165 (Arts and Science 231c). FIELD GEOLOGY. Field practice in surface and underground geological survey methods. Preparation of geological maps, sections, and reports from field notes, diagrams, aerial photographs, etc. Two-week field school in May. *Professor Eakins*

Reference books: Lahee, Field Geology 5th ed. (McGraw-Hill); McKinstry, Mining Geology (Prentice-Hall).

1166 (Arts and Science 232b). STRUCTURAL GEOLOGY. A systematic survey of rock structures, their origins and practical importance.

2 lectures and 3 hours laboratory per week, second term. *Professor Eakins*

Textbook: Billings, Structural Geology, 2nd ed. (Prentice-Hall).

Reference books: Badgley, Structural Methods for the Exploration Geologist (Harper); De Sitter, Structural Geology (McGraw-Hill).

1180 (Arts and Science 444). GEOLOGY OF NORTH AMERICA. The geological history, geomorphology, and mineral resources of the natural subdivisions of North America are described.

2 lectures per week. *Professors Elson, Stearn and Eakins*

Textbooks: Geology and Economic Minerals of Canada, 4th ed. (Geological Survey of Canada, 1957); Clark and Stearn, The Geological Evolution of North America (Ronald Press, 1960).

FIFTH YEAR

1182 (Arts and Science 441). ORE DEPOSITS. Nature, origin, mode of occurrence and classification of deposits of metallic and non-metallic minerals; typical occurrences; geographical distribution.

2 lectures per week, session, and 3 hours laboratory per week, second term. *Professors Gill and Eakins*

Textbook: Bateman, Economic Mineral Deposits (Wiley).

DEPARTMENT OF MATHEMATICS

Professors	EDWARD ROSENTHALL, *Chairman*
	CHARLES FOX
	H. W. E. SCHWERDTFEGER
	C. D. SOLIN
	HERBERT TATE
	P. R. WALLACE
Associate Professors	ARWEL EVANS
	G. D. FINDLAY
	I. GUTTMAN
	H. KAUFMAN
	J. LAMBEK
	E. LOMON
	T. F. MORRIS
	B. RATTRAY
	R. SHARP
	W. A. O'N. WAUGH
Assistant Professors	B. D. AGGARWALA
	G. CAVADIAS
	M. HERSCHORN
	A. JOFFE
	S. KAHANA
	S. MELAMED
	D. SUSSMAN

Lecturers

MRS. R. G. BONYUN
D. A. BONYUN
I. G. CONNELL
C. G. COSTLEY
A. I. GOLDRICH
I. F. GRIFFITHS
J. P. HENNIGER
D. KINGSBURY
J. POLAND
L. F. S. RITCEY
Z. ROSENFELD
MRS. H. SCHWERDTFEGER
I. SHTERN
J. F. SHUPE
A. D. TEITLEBAUM

FIRST YEAR

1200. TRIGONOMETRY, ALGEBRA, AND ANALYTIC GEOMETRY. Radian measure, logarithms, definition of the trigonometric functions, addition formulae, solution of triangles, problems in heights and distances, inverse functions, trigonometric equations. Variation, progressions, permutations and combinations, mathematical induction, binomial theorem, quadratic equations. Analytic geometry of the straight line and circle.

3 lectures per week, session. *Mr. Goldrich*

Textbook: H. Tate, Elementary Mathematical Analysis (Pitman).

1201. ALGEBRA. Variation, progressions, permutations and combinations, mathematical induction, binomial theorem, quadratic equations.

3 lectures per week, second term. *Staff*

Textbook: H. Tate, Elementary Mathematical Analysis (Pitman).

Mathematics 1201 is intended for students taking Mathematics 1203 who are deficient in Algebra.

1202. ENGINEERING PROBLEMS. Problem course for Mathematics 1200.

2 hours per week, session. *Staff*

1203. ANALYTIC GEOMETRY AND VECTORS. Analytic geometry of the straight line and circle, conic sections, polar coordinates; solid analytic geometry. Algebra of vectors, scalar and vector products.

3 lectures per week, session. *Staff*

Textbook: A. Schwartz, Analytic Geometry and Calculus (Holt, Rinehart and Winston).

1204. ENGINEERING PROBLEMS. For Mathematics 1203

2 hours per week, session. *Staff*

1205. ANALYTIC GEOMETRY AND VECTORS. The material of Mathematics 1203 is covered together with additional topics including an introduction to calculus.

3 lectures per week, session. *Professor Findlay*

Textbook: A. Schwartz, Analytic Geometry and Calculus (Holt, Rinehart and Winston).

1206. ENGINEERING PROBLEMS. For Mathematics 1205.

2 hours per week, session. *Staff*

SECOND YEAR

1221. ALGEBRA. Complex numbers, theory of equations, matrix algebra, systems of linear equations, determinants, elementary set theory, inequalities, linear programming, infinite series.

2 lectures per week, session. *Staff*

1222. ANALYTIC GEOMETRY. Conic sections and their simple properties, introduction to three-dimensional analytic geometry, polar co-ordinates, parametric representation with applications to some elementary notions in statistics such as averages, standard deviation, coefficients of variation and correlation, determination of lines of best fit.

2 lectures per week, session. *Staff*

Textbook: Schwartz, Analytic Geometry and Calculus (Holt, Rinehart).

1224. CALCULUS. Functional notation; limits; differentiation of elementary functions; maxima and minima; geometric applications; differentials; integration of standard functions; definite integrals; geometrical and physical applications.

3 lectures per week, session. *Staff*

Textbook: Schwartz, Analytic Geometry and Calculus (Holt, Rinehart).

1225. CALCULUS (Advanced section of 1224). Evaluation of integrals, partial differentiation, double and triple integrals with applications, vector calculus.

3 lectures per week, session. *Staff*

THIRD YEAR

1240. ADVANCED CALCULUS (Arts and Science 333). Partial differentiation, Jacobians and implicit functions, mean value theorems and Taylor series, indeterminate forms, line integrals, Green's and Stokes's theorems, definition of analytic functions of a complex variable, poles and residues, evaluation of definite integrals, the Gamma function and related definite integrals, vectors.

3 lectures per week, session. *Professor Melamed*

Text: Franklin, *Methods of Advanced Calculus* (McGraw-Hill).

1242. CALCULUS. Curvature; partial differentiation; double and triple integrals with application to volumes, moments of inertia, etc.; Taylor's theorem; exponential and logarithmic series; hyperbolic functions; vectors.

2 lectures per week, session. *Professor Kaufman and Staff*

Textbook: J. Britton, Calculus (Rinehart).

1246. VECTOR METHODS AND NOMOGRAPHY. Algebra of vectors, scalar and vector product of two vectors, multiple products, differentiation of vectors with applications to geometry and elementary mechanics, nomography.

1 lecture per week, session. *Professor Morris*

Texts: G. Coffin, *Vector Analysis* (Wiley).

FOURTH YEAR

1260. DIFFERENTIAL EQUATIONS. Ordinary differential equations; methods of solution; elementary functions in complex variables; linear differential equations; especially with constant coefficients; vibration and electric circuit problems; setting up equations; solution by series and introduction to partial differential equations.

2 lectures per week, session. *Professor Waugh and Staff*

Textbook: Spiegel, Applied Differential Equations (Prentice-Hall).

1264. THEORY OF FUNCTIONS AND ADVANCED DIFFERENTIAL EQUATIONS. Conformal mapping; properties of analytic functions; residues; Cauchy's theorem; contour integrals; applications to ordinary and partial differential equations.

2 lectures and 1 hour problems, session. *Professor Aggarwala*

Textbooks: R. V. Churchill, Introduction to Complex Variables and Applications (McGraw-Hill); R. V. Churchill, Fourier Series and Boundary Value Problems (McGraw-Hill).

1265. ADVANCED MATHEMATICAL METHODS. Review of complex variable theory, separation of partial differential equations, the Sturm-Liouville problem, eigenfunctions and eigenvalues, expansion in eigenfunctions, applications to the theory of vibrations and wave propagation, theory of scattering, diffusion, random processes and the transport equation.

3 lectures per week, session. *Professor* ————

Reference: J. Irving and N. Mullineux, Mathematics in Physics and Engineering (Academic Press).

1268 (Arts and Science 331). STATICS, DYNAMICS OF A PARTICLE, AND RIGID DYNAMICS. (Same as Course 1368.)

(a) Dynamics of a particle in one and two dimensions; motion of pair of particles; dynamics of rigid bodies; mass systems.

3 lectures per week, first term. *Professor F. R. Terroux (Physics)*

(b) Central orbits and scattering problems. Lagrangian and Hamiltonian equations. Rotations. Motion of rigid bodies, principal axes and moments of inertia. Normal modes of vibration and characteristic

frequencies of oscillating systems, with applications to atomic and molecular physics.

3 lectures per week, second term. *Professor Lomon*

Textbooks: (a) Lamb, Statics (C.U.P.); Lamb, Dynamics (C.U.P.); (b) Slater and Frank, Mechanics (McGraw-Hill).

Reference books: Goldstein, Classical Mechanics, (Addison Wesley); Corben and Stehle, Mechanics (Wiley).

1269. ENGINEERING MATHEMATICS (Full course). Matrix algebra, Fourier analysis, Laplace Transforms, elementary functions of a complex variable, vectors, partial differential equations, eigenvalue problems.

3 lectures per week, session. *Professors Rosenthall and Kaufman*

FIFTH YEAR

1282 (Arts and Science 446a). FLUID DYNAMICS (Half course). The equations of motion, conservation of energy and circulation, the theory of images, complex potential and conformal transformation methods, especially solutions for vortex arrays and aerofoil theory, Stokes's stream function for three-dimensional solutions, the equations of viscous flow and boundary layer motion.

First term: 3 hours. *Professor Fox*

Textbooks: Milne-Thomson, Hydrodynamics (Macmillan); Ramsey and Besant, Hydro-Mechanics (C.U.P.).

1284 (Arts and Science 448b). ADVANCED DYNAMICS (Half course). General formulation of Lagrangian dynamics, Hamiltonian equations. Least action principle. Canonical transformations. Poisson brackets. Hamilton-Jacobi theory. Introduction to special relativity in classical mechanics.

Second term: 3 hours. *Professor Wallace*

Textbook: Goldstein, Classical Mechanics.

1290 (Arts and Science 441). MATHEMATICAL PHYSICS. (Same as Course 1390.) Vibration problems, eigenfunctions and eigenvalues, sound waves, scattering problems. Fourier transforms and application to problems of heat conduction and diffusion. Introduction to relativity and wave mechanics. Twelve lectures on topics arising in spectroscopy and nuclear physics will be given by Professor Foster.

3 hours per week, session. *Professor Sharp*

Textbooks: Lindsay, Concepts and Methods of Theoretical Physics (Van Nostrand); Joos, Theoretical Physics (Blackie).

1291. AN INTRODUCTION TO PROBABILITY AND STATISTICS (Half course). Elementary probability laws, conditional probability, discrete probability distributions, samples and populations and methods of classifying data,

acceptance sampling based on attributes, operating characteristics of sampling plans, some continuous distributions, characteristics of populations and samples, the normal distribution, acceptance sampling for continuous variables, quality control charts for attributes, means and ranges, tests of hypotheses and confidence regions for process parameters, least squares and regression analysis, analysis of variance and elementary design of experiments.

2 lectures and 1 hour problems per week, second term.

Professor Guttman

1292. INFORMATION THEORY. Mathematical treatment of Shannon theory; notions of entropy and capacity; coding theorems and converses; introduction to the theory of random processes; Poisson and Gaussian processes; Fourier analysis of random processes; simple applications.

2 lectures per week, plus one hour seminar, first term. *Professor Joffe*

Prerequisites: Course 1291 and a good mark in 1269 or consent of instructor.

DEPARTMENT OF MECHANICAL ENGINEERING

Professors	WILLIAM BRUCE, *Chairman*
	D. L. MORDELL
	B. G. NEWMAN
Associate Professors	J. C. CHERNA
	P. V. COVO
	A. R. EDIS
	J. W. STACHIEWICZ
	JIM. SWITHENBANK
	A. L. THOMPSON
	J. H. T. WU
Assistant Professors	J. M. FORDE
	B. C. C. GLYNN
	FRANCIS HOWITT
	S. S. HYDER
	A. R. MCKAY
Lecturers	ERICH HERBST
	C. L. MURPHY
	BERNARD SHORT
	P. ZSOMBOR-MURRAY
Special Lecturer	SEYMOUR LEVINE
Sessional Lecturer	To be appointed
Demonstrators	To be appointed
Shop Instructor	F. G. CORRICK

FIRST YEAR

511. ENGINEERING DRAWING I. Lettering and free-hand sketching; use of instruments; orthographic projection: auxiliary and oblique views; dimensioning, sectioning, use of conventions; one-plane projections: axonometric, oblique; design.

3 hours per week, session. *Professor Covo and Staff*

SECOND YEAR

521. ENGINEERING DRAWING II. Common machine elements: screws, welding, piping, gears, pulleys and structural shapes; drawing for mass production: accuracy control and surface quality; design problems requiring preparation of briefs: sketches, calculations and finished drawings.

3 hours per week, session. *Professor Covo and Staff*

522. DESCRIPTIVE GEOMETRY. Adaptation of orthographic projection methods to three dimensional geometry; characteristics of lines and planes; graphical solution of problems involving position and true dimensions of geometrical figures; analysis of solids and other applications of three dimensional graphical geometry.

1 lecture and 2 hours drafting room per week, session.

Professor Cherna

THIRD YEAR

541. ENGINEERING DRAWING III. Production processes: correlation between processes and design; mechanical design problems requiring elementary stress analysis.

3 hours per week, first term. *Professor Covo and Staff*

542. MECHANICS OF MACHINES. Introduction to kinematics and mechanics of machines; velocities and acceleration of machine members. Stress is laid on fundamental aspects of kinematics to give the student the necessary background for subsequent work in dynamics of machines.

1 lecture, 3 hours problems per week, second term. *Professor Forde*

Reference books: Billings, Applied Kinematics (Van Nostrand); Guillet, Kinematics of Machines (Wiley); Shigley, Kinematic Analysis of Mechanics (McGraw-Hill); Maxwell, Kinematics and Dynamics of Machinery (Prentice-Hall).

543. MACHINE SHOP I. Lectures: tools, tool grinding, cutting action of tools, and safety precautions. Shopwork: marking off, layout, straight and taper turning, surface and gang milling, and use of dividing head (plain indexing).

3 hours per week, session. *Mr. Corrick*

544. ENGINEERING PROBLEMS. A selection of exercises and problems requiring analysis and the application of accepted or derived methods for solution.
3 hours per week, session. *Professor Covo and Staff*

545. EXPERIMENTAL ENGINEERING. Theory, calibration and use of instruments, measurement of pressure, temperature and fluid flow, analysis of combustion products.
1 hour lecture, 1 hour laboratory, session. *Professor Thompson and Staff*
Reference: Doolittle, Mechanical Engineering Laboratory (McGraw-Hill).

830. TECHNICAL PAPER (see page 1449).

FOURTH YEAR

561. INDUSTRIAL ENGINEERING I. Analysis of production methods; comparison of manufacturing processes; elements of tool design; jigs and fixtures; selection of method for proper use of material and manufacturing method; analysis of inspection techniques; effect of output on design; problems will be assigned in conjunction with course 575.
2 lectures per week, first term. *Professor Cherna*
References: Young, Materials and Methods (Wiley); Niebel and Baldwin, Designing for Production (Irwin).

563. MACHINE SHOP II. Study of speeds and feeds for metal cutting, compound and differential indexing on milling machine, shaper operations, surface and cylinder grinding, drills and drilling, consideration of inspection methods.
3 hours per week, session. *Mr. Corrick*

564. MECHANICS OF MACHINES. Mechanics of reciprocating engines—crank-effort diagrams, flywheel calculations, shaking-force diagrams and engine balancing; functions and dynamics of governors, cams, and gyroscopes. Use of inertia energy and impulse methods for solution of dynamics problems.
2 lectures and 1 hour problems per week, session *Professor Forde*
Reference book: Ham, Crane and Rogers, Mechanics of Machinery (McGraw-Hill); Low, Theory of Machines; Maxwell, Kinematics and Dynamics of Machinery (Prentice-Hall).

566. MECHANICAL ENGINEERING. Elementary thermodynamics; properties of steam; fuels and combustion; steam power plants; gas processes; gas cycles; air compressors; I-C engines; engine performance; refrigeration; fluid dynamics; measuring instruments; dimensional analysis; supersonic flow and shock waves, turbo-machinery; heat transfer.
2 lectures per week, session. *Professors Wu and McKay*

Reference books: DilLio & Nye, Thermal Engineering (International); Ebaugh, Engineering Thermodynamics (Van Nostrand); MacNaughton, Elementary Steam Power Engineering (Wiley); Lichty, International Combustion Engines (McGraw-Hill); Binder, Fluid Mechanics (Prentice-Hall); Eckert, Heat Transfer (McGraw-Hill).

569. MECHANICAL ENGINEERING LABORATORY. Properties of lubricants; tests of economy and performance of boiler, internal combustion engines, air compressor and steam turbine; heat transfer; proximate analysis and calorific value of coal; flue-gas analysis; combustion calculations; fan performance.

3 hours per week, session. *Professor McKay and Staff*

Reference books: Sweeney, Measurement Techniques in Mechanical Engineering (Wiley); Shoop and Tuve, Mechanical Engineering Practice (McGraw-Hill); Doolittle, Mechanical Engineering Laboratory (McGraw-Hill).

571. APPLIED THERMODYNAMICS I. Basic definitions and concepts; first law of thermodynamics; general energy equations for non-flow and for flow processes; reversibility and reversible processes; pure substances, properties of gases, properties of vapours, second law of thermodynamics; entropy; power cycles, gas and vapour; combustion; steam power plants; internal combustion power plants; gas compressors and expanders; refrigeration.

2 lectures and 1 hour problems per week, session. *Professor Bruce*

Reference books: Ebaugh, Engineering Thermodynamics (Van Nostrand); Spalding and Cole, Engineering Thermodynamics (Edward Arnold-Macmillan of Canada).

573. FLUID MECHANICS. Properties of fluids; fluid statics and stability of ships; kinematics, streamlines and continuity; dynamics; momentum, moment of momentum, and energy equation for a control volume; Bernoulli's equation for incompressible and compressible flow; pressure variation perpendicular to streamlines; flow measurement; viscous flow through pipes and channels, Laminar and turbulent boundary-layer theory; theory of lubrication; dimensional analysis and dynamical similarity applied to pipe flow, ships, aircraft and fluid machinery.

2 lectures and 1 hour problems per week, session. *Professor Newman*

Textbook: Hunsaker and Rightmire, Engineering Applications of Fluid Mechanics (McGraw-Hill).

575. MECHANICAL DESIGN I. The course covers the application of the theoretical work of previous years in mechanics, strength of materials, physics, dynamics of machines, etc. to the design of mechanical components.

Rational methods are developed and empirical factors are introduced as required. The emphasis in this course is on detail design but elementary design problems are set for solution.

2 hours lectures, 3 hours problems, session. *Professors Edis and Howitt*

Textbook: Shigley, Machine Design (McGraw-Hill).

Reference books: Vallance and Doughtie, Design of Machine Members, 3rd Edition (McGraw-Hill); Spotts, Design of Machine Elements, 2nd Edition (Prentice Hall).

576. HEAT TRANSFER. Fundamentals of heat transfer; conduction; free convection; forced convection; basic concepts of the flow theory in laminar and turbulent flow; condensation and evaporation; radiation; heat exchanger.

2 hours lectures per week, second term. *Professor Stachiewicz*

Reference books: Eckert, Introduction to the Transfer of Heat and Mass (McGraw-Hill); Kreith, Principles of Heat Transfer (International); Giedt, Principles of Engineering Heat Transfer (Van Nostrand); Schenck, Heat Transfer Engineering (Prentice-Hall); McAdams, Heat Transmission (McGraw-Hill).

578. MECHANICAL SERVICES IN BUILDINGS. A general discussion course relating to problems encountered in providing mechanical services in buildings. Physiological and environmental aspects of heat, ventilation and air conditions are discussed as well as the estimation of heating and cooling loads and the selection and specification of suitable equipment. Sprinkler systems, gas, plumbing and elevators are discussed. The characteristics of typical equipment are outlined and the construction problems produced by installation of this equipment are studied.

Seminars are held to discuss the installation of the mechanical equipment in buildings designed by the students. Field trips are made to inspect various mechanical installations in different types of buildings.

2 hours lectures per week, session; 3 hours per week seminars or field trips, second term. *Mr. Levine*

Reference books: Allen and Walker, Heating and Air Conditioning (McGraw-Hill); Severns and Fellows, Heating, Ventilation and Air Conditioning Fundamentals (Wiley).

579. THEORY AND DESIGN OF MACHINES I. Analysis and classification of simple mechanisms; mechanics and dynamics of reciprocating machinery; balancing; friction and lubrication; analysis of stresses in machine members, under static and dynamic loads; introduction to vibration theory.

2 hours lectures, 3 hours problems, both terms.

Professors Edis and Stachiewicz

Textbook: Shigley, Machine Design (McGraw-Hill).

840. TECHNICAL PAPER (see page 1449).

FIFTH YEAR

581. EXPERIMENTAL MECHANICAL ENGINEERING. Calibration and use of instruments; measurement of pressure, of temperature, and of power; test methods; test techniques and methods of expressing results; graphical representation and errors. *Professor Thompson*

2 hours lectures per week, first term.

Textbook: Doolittle, Mechanical Engineering Laboratory.

Reference: Process Control—a reprint from Chemical Engineering (McGraw-Hill).

Investigation and tests of steam boiler, steam and gas turbines, internal combustion engines, air compressor, vacuum pump, fans, refrigerating machine; measurements of fluid flow and heat transfer.

6 hours laboratory per week, session. *Professor McKay and Staff*

Reference books: Sweeney, Measurement Techniques in Mechanical Engineering (Wiley); Diederichs and Andrae, Experimental Engineering (Wiley); Shoop and Tuve, Mechanical Engineering Practice (McGraw-Hill).

583. INDUSTRIAL ENGINEERING II. Plant location, layout and equipment; industrial safety and accident prevention; work analysis and measurement; elementary analysis of statistical quality control; optima of industrial production; production analysis and control; production planning; product design.

References: Maynard, Industrial Engineering Handbook (McGraw-Hill); Ireson and Grant, Handbook of Industrial Engineering and Management (Prentice-Hall).

593. APPLIED THERMODYNAMICS II. Thermodynamic equations for gases and vapours; gas-vapour mixtures; evaporating, drying and air-conditioning processes; thermodynamics of combustion; modified and improved power plant cycles; power plant equipment; power plant heat balance; factors preventing the realization of theoretical performance in heat engines; refrigeration and heat pump systems.

2 lectures and 3 hours problems per week, session. *Professor Bruce*

Reference books: Van Wylen, Thermodynamics (Wiley); Gaffert, Steam Power Stations (McGraw-Hill); Lichty, Internal Combustion Engines (McGraw-Hill); Raber and Hutchinson, Refrigeration and Air-Conditioning (Wiley).

595. MECHANICAL DESIGN II. In continuation of the work of the Fourth year, more complex problems in design are introduced. The structural nature

of many mechanical mechanisms is stressed, and theories of fatigue failure, the evolution of practical safety factors, and the practical aspects of the design and manufacture of mechanical parts are introduced. During the year students are required to prepare a complete preliminary design brief and working drawings for a typical engineering project.

2 hours lectures, 3 hours problems, session. *Professor Edis*

Reference books: As for course 575 and additionally, Timoshenko, Strength of Materials—Parts I and II (Van Nostrand).

596. FLUID DYNAMICS. Boundary layer theory; the transport of momentum, heat and mass; potential flow; Joukowski transformation; momentum relations in steady flow; open channel flow; compressible fluid dynamics; shock waves; general theory of turbo-machines; turbines and compressors.

2 hours lectures, 1 hour problems, session. *Professors Mordell and Wu*

Textbook: Hunsaker and Rightmire, Engineering Applications of Fluid Mechanics (McGraw-Hill).

597. DYNAMICS OF MACHINES. Study of inertia forces and stresses in machines. Vibrations; free, forced, damped and undamped, with one or more degrees of freedom. Electromechanical analogies. Whirling and torsional vibrations of shafts, balancing of rotors and other problems involving the dynamic behaviour of machines.

2 hours lecture, 1 hour problems, session. *Professor Stachiewicz and Staff*

Reference books: Crossley, Dynamics in Machines (Ronald Press); Thomson, Mechanical Vibrations (Prentice Hall); Den Hartog, Mechanical Vibrations (McGraw-Hill).

598. THEORY AND DESIGN OF MACHINES II. Advanced dynamics, kinematics of vibration. Design theory. Students are required to prepare a design brief and drawings for a typical engineering project that will require application of the theoretical studies.

2 hours lectures, first term; 3 hours problems, both terms.
Professors Edis and Stachiewicz

599. ENGINEERING PROBLEMS. Students will study typical engineering problems involving different interrelated aspects of engineering theory, leading to selection and evolution of a design for which drawings will be expected.

12 hours per week, both terms. *Staff*

850. TECHNICAL PAPER (see page 1449).

COURSES FOR GRADUATE DEGREES

Graduate courses are offered in Mechanical Engineering. For particulars of these and qualifications for entering the Graduate Faculty, see the Announcement of the Faculty of Graduate Studies and Research.

DEPARTMENT OF METALLURGICAL ENGINEERING

Professor	H. H. YATES, *Chairman*
Professor (Post-retirement)	J. U. MACEWAN
Associate Professor	W. M. WILLIAMS
Assistant Professors	J. J. JONAS
	T. SALMAN
Lecturer	G. W. SMITH

THIRD YEAR

643. METALLURGICAL PROBLEMS AND LABORATORY. Materials balances for smelting and refining operations, combustion problems, refractories, problems in physical chemistry, introductory laboratory practice in smelting, fire assaying.

1 lecture per week, session, 2 hours laboratory, first term; 3 hours laboratory second term. *Mr. Smith*

830. TECHNICAL PAPER (see page 1449).

FOURTH YEAR

662. METALLURGICAL LABORATORY. Heat treatment of steel, structures and properties of ferrous and non-ferrous alloys, pyrometry, metallography and photographic techniques.

6 hours per week, first term.

3 hours per week, second term. *Staff*

663. MINERAL DRESSING I. Preparation of ores for treatment; mechanical methods of concentration; crushing; grinding; sizing; gravity concentration; agitation; leaching; thickening; filtration; beneficiation of coal.

1 hour lecture per week, session.

3 hours laboratory per week, second term. *Professor Salman*

664. METALLURGICAL PROBLEMS. The application of thermodynamic principles to metallurgical operations and processes. Problems are designed to illustrate the use of enthalpy, entrophy, free energy and activity to study reaction equilibria, especially those types commonly associated with roasting, smelting and refining processes.

4 hours per week, second term. *Mr. Smith*

665. MINERAL DRESSING II. Theoretical study of the basic mechanical operations used in mineral dressing; communition, free and hindered settling, sink-and-float, dry and wet cyclones, electromagnetic and electrostatic processes, jigs, tables, spirals, etc.

3 hours lectures per week, first term. *Professor Salmon*

666. METALLURGY OF IRON AND STEEL. An introduction to the physical metallurgy of iron and steel, fabrication of steels, theory and practice of heat treatment, applications of iron and steel in industry.

1 lecture per week, session. *Professor Williams*

Textbook: Wulff, Taylor and Shaler, Metallurgy for Engineers (Wiley).

Reference books: The Departmental Library has numerous reference books and periodicals which are available to students.

668. METALLURGICAL UNIT OPERATIONS. Study of some unit operations of metallurgical interest; pyrometry, heat transfer, introduction to fluid flow.

2 hours lectures and 2 hours problems per week, first term. *Professor Jonas*

Textbook: Schuhmann, Metallurgical Engineering Principles (Addison Wesley).

Reference books: Binder, Fluid Mechanics (Prentice-Hall); Brown and Associates, Unit Operations (Wiley); McAdams, Heat Transmission (McGraw-Hill).

670. PHYSICAL METALLURGY. Theoretical and practical aspects of metallic deformation and annealing; the effects of composition and structure on the behaviour of alloys with detailed discussion of carbon steels, alloy steels, cast irons, wrought iron and various non-ferrous alloys. Heat treatment is considered for specific alloys where applicable.

1 lecture and 2 hours laboratory per week, first term. *Staff*

Textbook: Rollason, Metallurgy for Engineers (Arnold).

840. TECHNICAL PAPER (see page 1449).

FIFTH YEAR

680. PROCESS METALLURGY I. The fundamental principles of extractive metallurgy. Phase reactions: equilibrium conditions, surface effects and kinetic factors. Applied electrochemistry. Examples from production metallurgy will be discussed.

2 hours lectures and 1 hour problems per week, session. *Mr. Smith*

References: Books, journals and other sources will be recommended throughout the course.

681. PROCESS METALLURGY I. The lectures in this course are concurrent with those of Course 680. In place of the regular problem period special reading will be assigned to give the student a keener appreciation of recent developments in this field.

2 hours per week, session. *Mr. Smith*

References: see Course 680.

682. PROCESS METALLURGY II. Ferrous and associated ores: principles and applications. Examples include processes for the extraction and refining of iron (steel), manganese, molybdenum, chromium, etc.

2 hours lectures and 1 hour problems per week, session. *Professor Yates*

References: see Course 680.

683. PROCESS METALLURGY II. The lectures in this course are concurrent with those of Course 682. In place of the regular problem period special reading will be assigned to illustrate recent trends and developments.

2 hours per week, session. *Professor Yates*

References: see Course 680.

684. PROCESS METALLURGY III. Non-ferrous ores: principles and applications. Examples include processes for the extraction and refining of lead, zinc, copper, nickel, aluminum, etc.

2 hours lectures and 1 hour problems per week, session. *Professor Yates*

References: see Course 680.

685. PROCESS METALLURGY III. The lectures in this course are concurrent with those of Course 684. In place of the regular problem period special reading will be assigned to illustrate recent trends and developments.

2 hours per week, session. *Professor Yates*

References: see Course 680.

686. GENERAL METALLURGY. Physical metallurgy of non-ferrous metals and alloys; their uses in industry; basic principle of roasting, smelting, refining, and hydrometallurgical processes. Structure and properties of alloys, heat treatment of steel.

3 hours lectures per week, first term. *Professor MacEwan*

2 hours lectures per week, second term.

References: The Departmental Library has numerous texts, reference books, and periodicals, which are available to students.

687. METALLURGICAL COLLOQUIUM. Students are required to present detailed papers on selected metallurgical topics. This is followed by a discussion period.

1 hour per week, second term. *Staff*

688. METALLURGICAL DESIGN. Design of simple furnaces; materials balances and heat balances in standard processes.

3 hours problems per week, second term. *Professor Yates*

689. METALLURGICAL UNIT OPERATIONS. A further study of unit operations in metallurgy: unsteady state heat transfer, compressible fluid flow, flow of solids through fluids and fluids through solids, separation of solids from liquids and gases.

2 hours lectures and 2 hours problems per week, second term.

Professor Jonas

References: see Course 668.

690. PROCESS CONTROL IN METALLURGY. An analysis of systems and instruments of interest in metallurgical operations.

3 hours lectures and 3 hours laboratory per week, second term.

Professor Jonas

691. PHYSICAL METALLURGY. The crystallography and microstructures of metals and alloys. Solidification of metals, plastic deformation, recovery, recrystallization and grain growth. Creep and fatigue. Precipitation processes in metals and heat-treatment. Imperfections in metals.

2 hours lectures and 1 hour problems per week, session.

Professor Williams

Textbook: A. G. Guy, Elements of Physical Metallurgy (Addison-Wesley).

Reference books: The Departmental Library has numerous reference books and periodicals which are available to students.

692. PHYSICAL METALLURGY. Lectures will be taken concurrently with Course 693. In place of the regular problem period, advances reading will be assigned, with special problems designed to give the student a better understanding of recent developments in physical metallurgy.

2 hours lectures per week, session. *Professor Williams*

Textbook: A. G. Guy, Elements of Physical Metallurgy (Addison-Wesley).

Reference books: The Department Library has numerous reference books and periodicals which are available to students.

693. MINERAL DRESSING III. Flotation, settling, agitation and filtration.

1 hour lecture and 3 hours laboratory per week, first term.

Professor Salman

694. MINERAL DRESSING IV. The treatment of ores and mill design from the results of investigations.

1 hour lecture and 3 hours laboratory per week, second term.

Professor Salman

695. METALLURGICAL LABORATORY. Experiments in pyrometry, heat-treatment, metal refining, metallography, metal working, alloy preparation, fluid flow.

6 hours laboratory per week, first term.

3 hours laboratory per week, second term. *Staff*

696. STUDIES IN METALLURGICAL PROCESSES. In this course advanced topics in either physical or process metallurgy will be assigned. The work will consist of literature surveys, analyses and weekly discussions with the staff. Special laboratory work may replace the assignments in part if advisable.

6 hours per week, first term; 3 hours per week, second term. *Staff*

850. TECHNICAL PAPER. (see page 1449).

COURSES FOR THE DEGREE OF MASTER OF ENGINEERING AND MASTER OF SCIENCE

Graduate Courses are offered in Pyrometallurgy, Hydrometallurgy and Physical Metallurgy. For particulars of these and qualifications for entering the Graduate Faculty, see the Announcement of the Faculty of Graduate Studies and Research.

RESEARCH FELLOWSHIP IN THE DEPARTMENT OF METALLURGICAL ENGINEERING

There is one endowed research fellowship in the Department. This is awarded to a graduate of the Department who shows particular aptitude for advanced work, and is held in the Faculty of Graduate Studies and Research. Graduates of other universities are admitted to this Faculty, if qualified, but are not eligible for the fellowship mentioned.

DEPARTMENT OF MINING ENGINEERING AND APPLIED GEOPHYSICS

Professors	R. G. K. MORRISON, *Chairman*
	L. P. GELDART
Associate Professor	W. M. TELFORD
Lecturer	J. E. UDD
Douglas Fellow	_____
Harrington Fellow	_____

THIRD YEAR

750. GEOPHYSICAL EXPLORATION FOR PETROLEUM. Survey course devoted mainly to the applications of seismic, gravimetric and magnetic techniques in exploring for petroleum. Telluric, magneto-telluric and well-logging

techniques, exploration strategy, organization and conduct of exploration programs are discussed briefly. Laboratory work will include reduction and interpretation of typical field data as well as simple experiments illustrating basic principles of the various techniques.

2 lectures and 2 hours laboratory per week, first term.

751. GEOPHYSICAL EXPLORATION FOR MINERALS. Continuation of Course 750 covering the application of geophysical techniques, principally magnetic and electrical methods to the location of substances other than petroleum.

2 lectures and 2 hours laboratory per week, second term.

752. EXPLORATION GEOPHYSICS. Introduction to geophysical methods of prospecting. Theory, applications and limitations of magnetic, gravimetric, seismic and electrical methods, interpretation of field results.

2 lectures and 2 hours laboratory per week, first term.

Course 752 is open only to students who are not proceeding to the degree of B.Eng. It is an introductory course intended for those students who do not plan on taking further courses in applied geophysics. Courses 750 and 751, which taken as a unit cover the same material as 752 but in more detail and at a more advanced level, are normally prerequisites for all Fourth and Fifth year courses in applied geophysics.

830. TECHNICAL PAPER (see page 1449).

FOURTH YEAR

760. THEORY OF MEASUREMENTS. Accuracy of measurements, significant figures, graphic analysis of data, statistical analysis of data, theory of errors, least squares, nomograms.

2 hours per week, second term. *Professor Geldart*

761. MINE SURVEYING. The plane table and its adjustments; the three-point problem; mine surveying; the auxiliary telescope; shaft plumbing; underground traversing; stope surveys; underground curves; borehole surveys; the Brunton compass; astronomical observation.

2 lectures per week, first term. *Mr. J. E. Udd*

Textbooks: To be announced.

762. MINING ENGINEERING I.

(a) Sampling methods and the estimation of ore reserves; cost patterns, cut-off values, taxation, rate of production and valuation. Canadian and world mineral production.

2 lectures per week, first term. *Professor Morrison*

(b) Factors influencing the development and application of mining methods—quarrying, open pit and placer mining; underground practice, metalliferous and coal.

2 lectures per week, second term. *Professor Morrison*

Parts (a) and (b) are required for students in Mining Engineering but are available separately to other students.

Reference books: Truscott, Mine Economics (Mining Publications Ltd.); Jones and Hunt, Coal Mining (Pennsylvania State College); Peele, Mining Engineers Handbook.

770. GEOPHYSICS FIELD SCHOOL. Students take part in field work involving small scale seismic, magnetic, gravimetric and electrical surveys following courses 750 and 751 or 752.

2 weeks field school.

840. TECHNICAL PAPER (see page 1449).

FIFTH YEAR

782. MINE DESIGN. The problems arising in the valuation and equipping of a mining property for production are critically examined. On the basis of information supplied relating to a mining property, the student prepares a report covering the calculation of ore reserves; the financial implication of various rates of production; the mining layout and method; pumping; ventilation; transport for men, materials, ore, and waste; surface layout; ore treatment; tailings disposal; time schedule of operations leading to production; the staff, organization, ancillary services and facilities required for production.

6 hours problems per week, session. *Professor Morrison*

Reference books: As for course 762 and also Parks, Examination and Valuation of Mineral Property (Addison-Wesley Press Inc.); Lewis, Elements of Mining (Wiley); Young, Elements of Mining (McGraw-Hill). Fan Engineering, 5th edition (Buffalo Forge Company); Staley, Mine Plant Design, 2nd edition (McGraw-Hill).

784. MINE FINANCE AND COST CONTROL. Company law and the incorporation of mining companies; provision of capital; payroll accounts and workmen's compensation; cost accounts; direct costs; distributable costs; comparative costs and cost control; amortization, depreciation and depletion; taxes on mines; profit and loss statements and balance sheets.

2 lectures per week, second term. *Mr. R. S. Boire*

786. COLLOQUIUM. Students prepare and deliver a lecture on a suitable subject.

1 hour per week, second term. *The Staff*

788. MINING ENGINEERING II.

(a) An economic approach to the problems of mine ventilation, materials handling (hoisting, haulage and conveying), drainage and pumping.

2 lectures per week, first term. *Professor Morrison*

(b) An introduction to rock mechanics—a study of the physica properties and structural features of rock masses and the effects of ground pressure on mining excavations. The design, support and layout of mine openings; explosives and blasting.

2 lectures per week, second term. *Professor Morrison*

(c) Management and the Engineer.

1 lecture per week, second term. *Professor Morrison*

Parts (a), (b) and (c) are required for students in Mining Engineering but are available separately to other students.

789. MINING ENGINEERING PROBLEMS. Calculations in combustion, costs, ventilation, hoisting, haulage, mine drainage, and other mine plant problems.

2 hours per week, session. *Professors Morrison and Salman*

850. TECHNICAL PAPER (see page 1449).

RESEARCH FELLOWSHIPS IN THE DEPARTMENT OF MINING ENGINEERING AND APPLIED GEOPHYSICS.

There are two endowed research fellowships in the Department. These are awarded to graduates of the Department who show particular aptitude for advanced work, and are held in the Faculty of Graduate Studies and Research. Graduates of other universities are admitted to this Faculty, if qualified, but are not eligible for the fellowships mentioned.

*OPTIONAL COURSES IN FIRST YEAR

DEPARTMENT OF BOTANY

140. (Arts and Science 100a and 100b.) ELEMENTARY BOTANY (Half course). This half course is given as two identical sections, one in the Fall term, the other in the Spring. The student may elect either section. If Botany 100a is taken, Zoology 100b must be taken in the Spring term of the

*Students are advised to make a careful choice at the time of registration since the scheduling of First year lectures precludes any changes after the day of registration.

same session. If Botany 100b is taken, Zoology 100a must have been taken in the Fall term of the same session. A student may take only one section of Botany or one section of Zoology per term. A section of Botany and a section of Zoology must be taken in the same academic year.

Botany 100 (a or b) is an introductory course in Botany dealing with the anatomy, cytology and physiology, etc. of plants and their importance as living organisms.

2 hours lectures and 3 hours laboratory

Professors Roscoe, Wilson, Boll, and Maycock.

Note: Botany 100 (a or b) together with Zoology 100 (b or a) really constitutes a course which might be called "Biology 100" and the student must take a half course in Botany and a half course in Zoology, but in different terms.

DEPARTMENT OF CLASSICS

LATIN

1425 (Arts and Science 1). BEGINNERS' LATIN.

3 hours per week, session. *Members of the Department*

1427 (Arts and Science 100). LATIN.

3 hours per week, session. *Members of the Department*

Textbooks: To be announced.

DEPARTMENT OF ECONOMICS AND POLITICAL SCIENCE

1430 (Arts and Science 100). ECONOMIC HISTORY. Evolution of economic institutions; the ancient empires; economic and social aspects of the decline and fall of the Roman Empire; mediaeval agrarian economy; fairs, towns, and trading companies; mediaeval money; the voyages of discovery; religion and the rise of capitalism; nationalism and mercantilism; the colonial system; the beginnings of modern banking; the great inventions and the factory system; North American industrial development; trade unions and the co-operative movement; legislative protection of the worker; international finance; rise and fall of the gold standard; evolution of the central banking function; recent economic changes.

3 hours per week, session. *Professor B. E. Supple*

DEPARTMENT OF GEOGRAPHY

1442 (Arts and Science 121). (1) THE ELEMENTS OF PHYSICAL GEOGRAPHY. The course is divided into two main parts.

A. The earth's crust. The origin of landforms developed under different climates.

B. Climate and weather. Measurement of physical properties of the atmosphere; weather processes; world climates, principal types, causes and characteristics. Ocean currents. Major soil groups and forest types of the world.

2 hours per week, plus laboratory.

Professor R. N. Drummond and Mr. J. Parry

DEPARTMENT OF GERMAN AND RUSSIAN

1450 (Arts and Science 101). GERMAN LANGUAGE (Beginners' Course).

3 hours per week, session. *Professors Bertha Meyer and Victor Block*

Textbooks: Curts, Basic German, Revised Edition (Prentice-Hall, 1946); Fiedler and Sandbach, First Science Reader for German Students (Oxford Univ. Press).

1451 (Arts and Science 102). GERMAN SCIENCE READING COURSE (Full course). Half the course will be devoted to teaching the method of translation, the second half to actual translation of texts.

2 hours per week, session. *Professor Victor Block*

Prerequisite: German 1 or German 3 or Matriculation in German.

Textbook: C. V. Pollard, The Practical Solution to German Translation (University Co-op, Austin, Texas).

1455 (Arts and Science 100). RUSSIAN LANGUAGE. Reading, grammar, translation, oral practice.

3 hours per week, session. *Mr. J. N. Westwood*

Texts: G. A. Znamensky, Conversational Russian (Ginn); A. Semeonoff, A New Russian Grammar (Dent).

DEPARTMENT OF HISTORY

1460 (Arts and Science 100). EUROPEAN CIVILIZATION IN THE MEDIAEVAL AND MODERN PERIODS.

3 hours per week, session.

Professors C. C. Bayley, Zagorin and Mr. Vogel

FACULTY OF MUSIC

The courses in Music are open to those who have the qualifications for the regular courses of Music given in the Faculty of Music. The first course of Music is for those who have offered Music as a Matriculation subject.

1480 (Arts and Science 1). FIRST COURSE. HARMONY 101.

3 hours per week, session.

An elementary course in written and keyboard harmony comprising a study of the following harmonic materials and techniques:

Triads and dominant seventh chords in all dispositions and inversions; principles of chord progression; part-writing drills; study of the conventional harmonic formulas and cadences; harmonic analysis; harmonization of melody and bass (unfigured) in Bach chorale style using triads, dominant seventh chords and elementary modulations; improvisation of short chorale melodies and of short harmonic progressions.

Texts: McHose, Basic Principles of the Techniques of 18th and 19th Century Composition (Chs. 13-31); McHose, Keyboard and Dictation Manual (Chs. 1-9).

Students will also be required to devote three hours weekly to aural training.

DEPARTMENT OF ROMANCE LANGUAGES

NOTE:—For lists of textbooks used in French 1493 and Spanish 1495 courses refer to the Announcement of the Faculty of Arts and Science. Book lists for *French 1491* will be issued to students at first class meeting.

FRENCH

French only is used in lectures, except during composition periods.

Both oral and written examinations are held on each year's work.

The oral examination counts for 50 per cent of the total mark.

1491 (Arts and Science French 120). (Advanced)

General survey of French civilization, literature and science from the XVIIIth century to the present day; French composition. Enrolment in French 1491 is restricted to students whose first language is French and those primarily English-speaking students who have achieved first-class standing in French in their School Certificate or High School Leaving examinations, and who pass a test set by the Instructor at the beginning of the session.

3 hours per week, session. *Mr. M. Rabotin*

1493 (Arts and Science French 110). General survey of French civilization Readings, composition and French grammar review.

3 hours per week, session. *Professor T. Romer and Staff*

1495 (Arts and Science Spanish 100).

Grammar; reading and dictation; oral exercises and composition.

3 hours per week, session. *Professor Robina E. Henry and Staff*

SPANISH

1495 (Arts and Science Spanish 100).

Grammar; reading and dictation; oral exercises and composition

3 hours per week, session. *Professor Robina E. Henry and Staff*

DEPARTMENT OF ZOOLOGY

1402 (Arts and Science 100a and 100b). ELEMENTARY ZOOLOGY (Half course). This half course is given as two identical Sections, one in the Fall term (Section "a"), the other in the Spring (Section "b"). The student may elect either Section. If Zoology 100a is taken, Botany 100b *must* be taken in the Spring term of the same session. If Zoology 100b is taken, Botany 100a *must* have been taken in the Fall term of the same session. A student may take only *one* Section of Zoology or Botany per term. A Section of Zoology and a Section of Botany *must* be taken in the same academic year.

Zoology 100a (or b) is an introductory course in Zoology, dealing with the anatomy, physiology, etc., of the vertebrate animals, with particular reference to the evolution of Man.

2 hours lectures and 2 hours laboratory per week in the chosen term.

Section "a" *Professor Berrill*

Section "b" *Professor Stanley*

Text: Storer and Usinger, *General Zoology* (McGraw-Hill)

NOTE: Zoology 100a (or b) together with Botany 100b (or a) really constitutes a course which might be called "Biology 100," and the student must take both halves of this in the one session, but in different terms. It is prerequisite to all other courses in Zoology.

DEPARTMENT OF PHYSICS

Professors G. A. WOONTON, *Chairman*
R. E. BELL
J. S. MARSHALL
E. R. POUNDER

Macdonald Travelling Fellow J. S. FOSTER

Associate Professors K. L. S. GUNN
W. F. HITSCHFELD
W. M. MARTIN
ANNA I. MCPHERSON
F. R. TERROUX

Assistant Professors	J. A. Carruthers
	M. P. Langleben
	J. F. Mathison
	E. J. Stansbury
	R. Stevenson
Lecturer	T. M. Kavanagh
Teaching Fellows	C. H. Champness
	J. E. Crawford
	W. R. Friskin
Senior Demonstrators	V. M. Forbes
	E. V. Harkness
	E. L. Morrison
	F. H. Webb

FIRST YEAR

1311. MECHANICS AND ELECTRICITY. An introductory course covering the elementary portions of mechanics, magnetism, electricity, and atomic physics. Simple applications of fundamental principles to well known phenomena are explained with the aid of demonstrations, laboratory work, and numerical examples.

3 lectures per week, session.* *Professors Martin and Mathison*

Laboratory, 2 hours per week, session. *Professor McPherson*

Textbooks: Marshall and Pounder, Physics (Macmillan); An Elementary College Course in Experimental Physics (Renouf Publishing Co.).

SECOND YEAR

1320 (Arts and Science 22a). HEAT. Temperature, kinetic theory, heat engines, throttling, evaporation, hygrometry, heat transfer, radiation, and expansion.

3 lectures per week, first term.
Professors Marshall, Stansbury, McPherson and Langleben

Laboratory, 2 hours per week, first term.
Professors Terroux and McPherson

Textbooks: Marshall and Pounder, Physics (Macmillan); Heat, Light, and Sound Laboratory Manual (Renouf).

1322 (Arts and Science 22b). SOUND AND LIGHT. Simple harmonic motion, waves, interference, moving sources, diffraction, vibrating systems, intensity level, audibility, musical scales, and acoustics. Waves and rays, lenses

*Voluntary tutorials are provided to assist students in 1311.

and mirrors, aberrations, the eye, optical apparatus, illumination, interference, polarized light. Wave theory developed in sound is used for light.

3 lectures per week, second term.

Professors Marshall, Stansbury, McPherson and Langleben

Laboratory, 2 hours per week, second term.

Professors Terroux and McPherson

Textbooks: Same as for Course 1320.

THIRD YEAR

1340. ELECTRICITY AND MAGNETISM. The fundamentals of magnetism, electrostatics, current electricity, electromagnetic induction, electrodynamics, theory of simple circuits, elementary electronics. Demonstrations, applications, and numerical examples are emphasized. The laboratory course is essential and complementary to the lectures, illustrating main principles and providing a thorough introduction to the theory and use of common electrical apparatus.

2 lectures and 1 hour voluntary tutorial per week, session.

3 hours laboratory per week, session.

Professors Mathison and Stansbury and Demonstrators

Textbooks: Duckworth, Electricity and Magnetism (Macmillan); Laboratory Notes on Electricity and Magnetism.

References: Page and Adams, The Principles of Electricity (Van Nostrand); Harnwell, The Principles of Electricity and Electromagnetism (McGraw-Hill).

1343. ELECTRICITY AND MAGNETISM. Fundamental principles and experimental basis of D-C circuit theory and measurements; electrostatics and capacitance; magnetism and inductance.

Textbooks: Duckworth, Electricity and Magnetism (Macmillan); Marshall and Pounder, Physics (Macmillan); Laboratory Notes on Electricity and Magnetism.

INTRODUCTORY ATOMIC PHYSICS. Properties of electrons, protons, and neutrons; relativistic mechanics; isotopes and mass spectroscopy; the nuclear atom and Bohr theory; elementary quantum mechanics of atoms; statistical methods applicable to molecules, atoms, and sub-atomic particles.

Textbooks: Sproull, Modern Physics (Wiley); Marshall and Pounder, Physics (Macmillan).

3 lectures per week, first term. 2 lectures per week second term. 3 hours per week, laboratory, session (alternate weeks during second term).

Professor Pounder

1346. (Arts and Science 36 and 36L) LIGHT, ADVANCED. Geometrical and physical optics; electromagnetic theory; interference; diffraction; polarization; simple spectrum analysis; determination of fine structure of spectral lines; Zeeman effect; theory and use of optical apparatus.

2 lectures per week, first term; 1 lecture per week, second term, and 3 hours laboratory per week, session. *Professor McPherson*

Reference books: Morgan, Introduction to Geometrical and Physical Optics (McGraw-Hill); Robertson, Physical Optics (Van Nostrand); Wood, Physical Optics (Macmillan); Drude, Optics (Longmans Green); Jenkins and White, Fundamentals of Optics (McGraw-Hill); Hardy and Perrin, The Principles of Optics (McGraw-Hill).

FOURTH YEAR

1362 (Arts and Science 35). INTRODUCTORY ATOMIC PHYSICS. Conduction of electricity through gases; production and properties of free electrons, relativity; atomic structure, elementary quantum theory; X-radiation; ion optics; optical and mass spectroscopy; elementary solid state theory.

2 hours per week, second term. *Professor Pounder*

Textbook: Wehr and Richards, Physics of the Atom (Addison-Wesley).

Reference books: Stranathan, The Particles of Modern Physics (Blakiston); Millman and Seely, Electronics (McGraw-Hill); Peaslee, Elements of Atomic Physics (Prentice-Hall).

(*The initial portion of this course is given in the first term and corresponds to the second half of course 1343.*)

1365 (Arts and Science 34). HEAT AND THERMODYNAMICS. Thermodynamic systems and variables. The zeroth, first and second laws. The thermodynamics of: heat engines; two-phase systems, including a statement of the third law; theremoelectricity; Joule-Thomson effect; thermionic emission; thermal radiation. Kinetic theory of gases, introduction to statistical mechanics.

2 hours per week, session. *Professor Hitschfeld*

Text: Sears, Introduction to Heat, Thermodynamics, Kinetic Theory and Statistical Mechanics (Addison-Wesley).

References: Zemansky, Heat and Thermodynamics (McGraw-Hill); Hoare, Textbook of Thermodynamics (Longmans Green); Jeans, Kinetic Theory of Gases (Cambridge University Press); Worthing and Halliday, Heat (Wiley).

1366 (Part of Arts and Science 32). PROPERTIES OF MATTER. Surface tension; viscosity; diffusion; gravitation.

1 lecture per week, second term. *Professor Gunn*

Students in Engineering Physics are advised to attend these lectures, but are not required to take the final examination.

Reference books: Smith, General Properties of Matter (Arnold); Newman and Searle, General Properties of Matter (Benn); Beers, Introduction to the Theory of Error (Addison-Wesley).

1368 (Arts and Science 31). MECHANICS.

(a) Two dimensional mechanics of particles, systems of particles and of rigid bodies; chains and cables; mass-systems; motion under variable gravity, impulsive forces and couples; dissipative forces; forced and damped oscillations; normal modes of vibration of simple systems; central orbits under attractive and repulsive forces with applications.

3 lectures per week, first term. *Dr. Friskin*

Textbooks: Lamb, Statics (C.U.P.); Lamb, Dynamics (C.U.P.).

Reference books: Synge and Griffith, Principles of Mechanics (McGraw-Hill); Slater and Frank, Mechanics (McGraw-Hill); Lindsay, Physical Mechanics (Van Nostrand).

(b) Central orbits and scattering problems; Lagrangian and Hamiltonian equations; rotations; motion of rigid bodies, principal axes and moments of inertia; normal modes of vibration and characteristic frequencies of oscillating systems, with applications to atomic and molecular physics.

3 lectures per week, second term. *Professor R. T. Sharpe (Mathematics)*

Textbook: Slater and Frank, Mechanics (McGraw-Hill).

Reference books: Goldstein, Classical Mechanics (Addison-Wesley); Corben and Stehle, Mechanics (Wiley).

1369. ELECTROMAGNETIC THEORY. General properties of a vector field; the electrostatic field in a vacuum and in material media; currents and their interactions; Maxwell's equations for stationary and moving media; energy, force, and momentum in electromagnetic field; plane waves.

2 hours per week, first term. *Professor Stevenson*

Reference books: Slater and Frank, Electromagnetism (McGraw-Hill); Stratton, Electromagnetic Theory (McGraw-Hill); Ramo and Whinnery, Fields and Waves in Modern Radio (Wiley); Panofsky and Phillips, Classical Electricity and Magnetism (Addison-Wesley); Lorentz, The Theory of Electrons (Dover).

1370. SOLID STATE PHYSICS. Physical principles underlying electrical conductivity, dielectric and magnetic properties of materials; electron emission phenomena.

2 hours a week, session. *Mr. Champness*

Text: R. L. Sproull, Modern Physics (Wiley).

FIFTH YEAR

1380. ACOUSTICS OF BUILDINGS. Room acoustics, sound insulation, and noise reduction, presented for architects. The second term is devoted to practical application.

1 lecture per week, first term.

2 hours laboratory per week, second term.

Professors Marshall and Langleben

Reference book: Knudsen and Harris, Acoustical Designing in Architecture (Wiley).

1382 (Arts and Science 43b). ATOMIC AND MOLECULAR STRUCTURE. A concise and connected description of selected topics including recent investigations. Spectra and structure of one electron system; helium; multiplet structure and electron-spin; energy levels according to Dirac; Pauli principle and periodic classification; Zeeman and Stark effects; Lamb-Retherford experiment; hyperfine structure in hydrogen and radio-astronomy; molecular spectra and structure; calculation of ionization potentials; energy level shifts; simple molecular structures; nuclear spins and quadrupole moments.

2 hours, second term. *Professor Mathison*

Reference books: Herzberg, Atomic Spectra and Atomic Structure (Dover); White, Introduction to Atomic Spectra (McGraw-Hill); Series, Spectrum of Atomic Hydrogen (O.U.P.); Herzberg, Molecular Spectra and Molecular Structure, vol. 1 and 2 (Van Nostrand); Leighton, Principles of Modern Physics (McGraw-Hill).

1390 (Arts and Science 41). MATHEMATICAL PHYSICS. Vibration problems, eigenfunctions and eigenvalues, sound waves, scattering problems; Fourier transforms and application to problems of heat conduction and diffusion; introduction to statistical mechanics and wave mechanics.

Same as Mathematics 1290.

3 lectures per week, session. *Professor R. T. Sharp (Mathematics)*

Reference books: Margenau and Murphy, The Mathematics of Physics and Chemistry (McGraw-Hill); Coulson, Waves (Oliver and Boyd); Lindsay, Concepts and Methods of Theoretical Physics (Van Nostrand); Menzel, Mathematical Physics (Prentice-Hall); Joos, Theoretical Physics (Blackie); Sommerfeld, Partial Differential Equations (Academic Press); Born, Atomic Physics (Blackie).

1392 (Arts and Science 40 and 44). RADIOACTIVITY AND INTRODUCTORY NUCLEAR PHYSICS. The phenomena of radioactive disintegration and the laws of transformation of successive products; nature and properties of radiations; methods of detection and measurement; mechanisms of

absorption and scattering; neutrons, positrons and the constitution of nuclei; artificial disintegration processes; fission and fusion.

First term: 2 hours; laboratory, 3 hours.

Professors Terroux and Martin and Demonstrators

Reference books: Rutherford, Chadwick and Ellis, Radiations from Radioactive Substances (C.U.P.); Cork, Radioactivity and Nuclear Physics (Van Nostrand); Lapp and Andrews, Nuclear Radiation Physics (Prentice-Hall); Semat, Introduction to Atomic and Nuclear Physics (Rinehart); Kaplan, Nuclear Physics (Addison-Wesley).

PARTICLES AND QUANTA OF MODERN PHYSICS. X-rays and γ-rays; sources, detection, wave-length and energy measurements; optical properties, X-ray spectra and atomic energy levels; bremstrahlung, absorption and scattering; high energy physics; cosmic rays, behaviour of very high energy particles and photons; experimental methods; the elementary particles; high energy accelerators.

Second term: 2 hours; laboratory, 3 hours.

Professor Martin and Demonstrators

Reference books: Leighton, Principles of Modern Physics (McGraw-Hill; Peaslee, Elements of Atomic Physics (Prentice-Hall); Blackwood, Osgood and Ruark, An Outline of Atomic Physics (Wiley); White, Introduction to Atomic Spectra (McGraw-Hill); Evans, The Atomic Nucleus (McGraw-Hill).

McGill University

Montreal

Faculty of Medicine

1961-1962

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PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine (Undergraduate courses)
Faculty of Medicine (Postgraduate courses)
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
Institute of Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, and School of Household Science)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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McGill University

FACULTY OF MEDICINE

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

David L. Thomson, M.A., Ph.D., D.Sc., LL.D., F.C.I.C., F.R.S.C. — *Vice-Principal*

Lloyd G. Stevenson, B.A., M.D., Ph.D. — *Dean of the Faculty*

Edward H. Bensley, M.B.E., B.A., M.D., F.A.C.P. — *Associate Dean and Secretary of the Faculty*

S. M. Banfill, M.B.E., B.A., M.D., C.M. — *Assistant Dean*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

G. A. Grimson, B.Com. — *Comptroller*

Richard Pennington, B.A., Lib.Dip. — *University Librarian*

Special Announcements are available for the School of Physical and Occupational Therapy, and the School for Graduate Nurses.

A complete list of the teaching staff of the University, including the Faculty of Medicine, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

Faculty of Medicine

The one hundred and twenty-ninth session of the Faculty will open on September 6th, 1961, for students of all years.

Students may enter the Faculty of Medicine in one of two ways. A limited number will be admitted from high school to the Double Course in Science and Medicine. Most will be admitted from college to the four-year medical course.

A. DOUBLE COURSE IN SCIENCE AND MEDICINE

REQUIREMENTS FOR ENTRANCE

Students of high calibre and first-rate academic attainment will be admitted to the First year of this programme after successfully completing Junior Matriculation. They will be enrolled directly in the Faculty of Medicine and at the same time in the Faculty of Arts and Science. In exceptional circumstances students will be admitted to the Second year of the seven-year course when they have obtained high standing in Senior Matriculation. A joint committee of the two Faculties concerned will select the successful candidates.

DESCRIPTION OF COURSE

Duration: Seven years from Junior Matriculation, six years from Senior Matriculation.

Required Subjects: Physics, Chemistry, Organic Chemistry, Biology and one course in English, together with the standard medical curriculum.

Elective Subjects: Eleven additional courses in Arts and Science as approved by the Dean of the Faculty of Arts and Science and the Dean of the Faculty of Medicine.

Organization: Medical courses will begin before the Science courses are completed and courses in the Faculty of Arts and Science will continue for two years after students begin the study of Medicine.

Degrees: B.Sc. (after 5 years), M.D.,C.M. (after 7 years).

APPLICATION FOR ADMISSION

It is recommended that application should be made by June 1st, 1961 to the Registrar of McGill University, Montreal 2, Canada. Application forms may be obtained from the Registrar's Office.

B. FOUR-YEAR COURSE IN MEDICINE

REQUIREMENTS FOR ENTRANCE

1. (a) *Total Academic Credits:*

The minimum requirement for admission to the medical course is the satisfactory completion of three full years of study in a recognized college or Faculty of Arts and Science (or the equivalent thereof).

(b) *Scientific Requirements:*

In the scientific branches, certain subjects are specifically required:

Chemistry, two full courses, including General Chemistry and Organic Chemistry, with laboratory work.

Physics, one year with laboratory work.

Biology, or *Zoology*, one year with laboratory work. (Of this, a half year must consist of Zoology.)

(c) *Cultural Requirements:*

These must be selected in such a way as to be in harmony with the requirements for the degree of B.A. or B.Sc. at the college where the courses are taken. These would commonly include credits in English Literature and Composition and in Mathematics. It is advisable for each applicant to present evidence of such preparation.

(d) All candidates for admission to the Medical Faculty are required to take the Medical College Admission Test conducted by the Psychological Corporation or furnish a satisfactory explanation of why they are unable to do so.

2. In selecting courses, in addition to the specific requirements listed above, the intending medical student should plan his pre-medical course as a whole, and in accordance with a definite educational objective. Emphasis should be laid on the broad educational value and the intellectual training afforded, rather than on the factual content of such pre-medical curricula; the student is therefore advised to plan his course in such a way as to provide more than elementary training in some definite field of learning which appeals to him; this major field may be selected from the Natural or the Social Sciences or the Humanities. Certain subjects which though not essential have been found valuable in medical study, and which may be included as electives if the curriculum in the major field permits, are Psychology, Sociology, and Genetics.

In general, students are advised not to anticipate medical school courses in Physiology, Histology, Bacteriology, and Biochemistry at the expense of a fundamental training as outlined above.

On the other hand, for students who desire a preparation in excess of the minimum requirements, a considerable degree of specialization in the sciences, such as Honours graduation, or a Master's degree, in Physics, Chemistry, Biochemistry, Biology, Physiology, or Bacteriology, may prove to be desirable and advantageous.

The students' attention is called to the memorandum printed in the Announcement of the Faculty of Arts and Science, for the guidance of students who wish to enter Medicine.

Candidates for admission shall furnish evidence that they have satisfied the matriculation requirements of the Licensing Body in the region where they wish to practise. This provision applies to Canadian candidates only.

EQUIVALENT STANDING

A student of another Medical School who desires to be admitted to the Faculty of Medicine of this University with equivalent standing is required to submit an official Statement of his preliminary education and of the medical course he has followed and the standing he has obtained. This should be accompanied by a calendar of the Medical School in which he has studied, giving a full statement of the courses of study, and by a certificate of moral character and conduct.

The equivalent courses of study in schools accepted by this University shall be determined from time to time. Acceptance of a course of study as equivalent may not include the examination in that subject held by the accepted school, but the student may be required to pass such examinations, individual or comprehensive, as may be required by the Faculty.

APPLICATION FOR ADMISSION

Application for admission to the Faculty of Medicine must be made upon the regular application form which may be obtained from the Secretary of the Faculty.

As the number of students in each class is limited, application should be made early and in any case not later than January 1st. Each application must be accompanied by a non-returnable fee of $5.00 in the form of a cheque or money order payable to McGill University.

A fee of $50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. If the applicant registers within the prescribed registration period in September, this fee

will be credited on his University fees. If he fails to register, the fee lapses, and will be used by the University to meet the cost of its administration and overhead charges in caring for applicants who do not finally register.

A personal interview with the Secretary of the Faculty, when possible, is advisable.

REGISTRATION

Students in the Faculty of Medicine will register at the Registrar's Office in Dawson Hall on Friday, September 1st or Tuesday, September 5th, 1961. Those who register late will be required to pay a late registration fee of $5.00 if they register during the first week of the session and $10.00 if they register during the second. The fee will not be refunded except for satisfactory reasons and by authorization of the Faculty. No student will be admitted after the fifteenth day of the session except by special permission of the Faculty.

FEES

The University reserves the right to make changes without notice in its published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions described in the General Information Pamphlet.

UNIVERSITY FEES

1. DOUBLE COURSE IN SCIENCE AND MEDICINE

First and Second years	$475.00
Third to Seventh years	$600.00

2. FOUR-YEAR COURSE IN MEDICINE

Annual fee (including Students' Society and Medical Students' Journal fees)		$600.00
Students in the Fourth year also pay for meals at the Royal Victoria Montreal Maternity Hospital		$ 5.00
If paid in two instalments:		
First year only—		
First instalment, on registration	$300.00	
Instalment fee	2.50	
	302.50	
Less half deposit	25.00	$277.50
Second instalment, January 15th		$277.50
Second and Third years, each instalment		$302.50
Fourth year, each instalment		$305.00

3 REPEATING STUDENTS

Students repeating a year pay full fees.

4. AD EUNDEM FEE

Students entering any year above the First, pay a special *ad eundem* fee of..... $10.00

DATES OF PAYMENT

Fees are due and payable at the Chief Accountant's Office, Dawson Hall, between the hours of 9 a.m. and 4 p.m. on the following dates.

Friday, September 1st to Friday, September 8th, or, if desired, fees may be remitted by mail before the above dates. The second instalment of tuition fees is due and payable on January 15th. An additional $2.00 is charged for payment after the specified dates.

Students registering late pay their fees at the time of registration, failing which they become subject to the late payment fee.

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Dean of each Faculty a list of the registered students who have not paid their fees. The Dean will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

All fees are payable in Canadian currency.

For further information and for a list of special fees see the General Information Pamphlet included in this Announcement.

MICROSCOPES

Each student, on beginning his studies, is required to provide himself with a first-class microscope for laboratory and private study throughout his course. The microscope must be of substantial construction and be provided, as a minimum, with the following accessories: 2/3, 1/6, and 1/12 oil immersion objective, and a substage condenser. Such an instrument will last a lifetime and is an essential part of the equipment of a practitioner in medicine. Suitable microscopes may be secured through local dealers. The University does not rent microscopes to medical students.

BOARD AND RESIDENCE

For details of board and residence and an estimate of expenses, see the General Information Pamphlet included in this Announcement.

HEALTH SERVICE

For details of the Health Service and Medical Examinations see the General Information Pamphlet included in this Announcement.

COURSES FOR THE DEGREE OF M.D.,C.M.

The minimum period of professional training required by the University as a qualification for the independent practice of Medicine shall be five years, including

a. four years of medical study in the University leading to the degree of M.D.,C.M.; and

b. one year of interneship in an approved hospital,

or

one year of further medical study in the Faculty of Medicine of McGill University or at another medical school approved by it.

While the Faculty Administration exercises a general supervision of arrangements for interneships, the Faculty of Medicine assumes no responsibility to provide an interneship for any student.

A certificate that his medical education is completed and that he is eligible to sit for the examination of a licensing board shall not be issued to any graduate until the University is in possession of satisfactory evidence that he has completed the full requirements.

There are four sessions of thirty-six weeks each exclusive of examination periods. The sessions usually begin the first Tuesday after the first Monday in September (Labour Day), and continue until the first week of June.

The academic session is divided into three terms of 12 weeks each in all sessions. The minimal period of study for the degree of M.D.,C.M., is, therefore, four sessions of study comprising one hundred and forty-four weeks exclusive of examination periods.

The arrangement of the principal subjects of instruction is usually as follows:

FIRST SESSION

Anatomy (including Embryology), Histology, Physiology, Biochemistry, Child Development and Human Relations, Introduction to Medicine, General Pathology, History of Medicine.

SECOND SESSION

Central Nervous System (Anatomy, Neuroanatomy, Neurophysiology, Psychology), Medical Microbiology, Laboratory Diagnosis, Medicine, Surgery, Obstetrics, Health and Social Medicine, Pharmacology, Psychiatry, Special Pathology, Radiology, History of Medicine.

THIRD SESSION

Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Medical Jurisprudence, Neurology and Neurosurgery, Paediatrics, Psychiatry, Ophthalmology, Oto-laryngology, Radiology, Anaesthesia, Electives.

FOURTH SESSION

Medicine, Surgery, Obstetrics and Gynaecology, Psychiatry, Paediatrics, Ophthalmology, Oto-laryngology, Radiology, Therapeutics.

EXAMINATIONS

The examinations taken within the Medical Faculty are divided into two groups, namely major examinations and minor examinations. Major examinations are the final examinations in Anatomy (Embryology), Histology, Physiology, Biochemistry, Pharmacology, Medical Microbiology, Special Pathology, Public Health and Preventive Medicine (Third year), Paediatrics, Medicine, Surgery, Obstetrics and Gynaecology, Psychiatry, Central Nervous System.

The examinations in Medicine, Surgery, Obstetrics and Gynaecology, and Psychiatry at the conclusion of the Third Session are ranked as major examinations, even though they are not the final examinations in these subjects.

Minor examinations include the final examinations in General Pathology, Laboratory Diagnosis and examinations preliminary to the final major examinations.

A student who fails in any major examination will be required, before he sits a supplemental examination, to present to the Dean's office from the senior professor of the Department concerned a certificate that the student has taken sufficient extra tuition as would indicate that he has reviewed the subject and is a suitable candidate for the supplemental examination.

There is a strict difference between the importance of a major and a minor examination. If a student fails in the supplemental of a major examination, there are definite restrictions as hereinafter set forth, while failure in the supplemental of a minor examination permits the student to carry conditions as are hereinafter laid down.

A student who fails in the supplementals of not more than two minor examinations may proceed with other subjects in the following year, carrying such subjects as conditions, but may not sit any subsequent major examinations until the conditions have been removed, nor may more than two conditions be carried at one time.

All conditions must be removed by the end of the first term (November) in each session when additional supplemental examinations will be held. Failure in any of these will require the student to revert to the previous year and to repeat the courses of the Winter and Spring terms.

A student who fails in the supplementals of three or more minor examinations in any one session must repeat this session or may be asked to retire, as may be decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A failure in the supplemental of a major examination will require the student to repeat the course (repeat the year), and no student may repeat such a course more than once. Any student who fails in the supplementals of two major examinations in any one year shall be required to retire without the privilege of further supplementals.

A student is not allowed supplementals in three major examinations in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student is not allowed supplementals in two major and one minor examination in any one session. He will be required to repeat his year or retire as decided by the Promotion Committee, but he may appear before the Promotion Committee to plead his case if it be decided that he should retire.

A student in the final year may take a supplemental examination in one subject only at the end of the following September, but must present a certificate from the senior professor of the Department concerned that he has taken at least three months' extra tuition in this subject in one of the teaching hospitals of the McGill Faculty of Medicine. If he should fail in this supplemental examination, he must repeat the year of study and pass all the major examinations at the completion of the session.

A student in the final year who fails in two subjects will not be permitted supplementals but must repeat the year or retire, as decided by the Promotion Committee, from whose decision there shall be no appeal.

A student will not be allowed to repeat a year more than once nor may he repeat a subsequent year if such repetition has been due to failure in examinations, except on special recommendation of the Promotion Committee, acting upon the motion of the representatives on the committee of the Department concerned.

A student who has been permitted to repeat his year shall be required to make a C+grade, which for this purpose is considered to be 65%, or he will not be permitted to continue his course.

Examinations, tests, reviews, etc. will ordinarily be held during the session only at the end of the twelve week terms. If is understood that such examinations, tests or reviews are conducted for the benefit of the student in order that he may have experience in the requirements of the sessional examinations, and further, that he and his teachers may know he is progressing in his studies. In the Fourth year final examinations will be held at the end of each rotation.

There shall be two Promotion Committees. The First Committee shall consist of representatives of the subjects of Anatomy, Biochemistry, Histology, Physiology, Pharmacology, Medical Microbiology and Pathology, appointed by the Dean, and the Dean and the Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the First and Second years. The second Committee shall consist of representatives of the Departments of Health and Social Medicine, Medicine, Surgery, Obstetrics and Gynaecology, Paediatrics, and Psychiatry appointed by the Dean, and the Dean and the Secretary *ex officio*. This Committee shall pass on all cases of students who fail to satisfy examination requirements in the Third and Fourth years.

All results of examinations will be given out by the Dean's office, after they have been passed upon by the Promotion Committee. It is an absolute rule that no examination results shall be communicated by any other channel.

The Faculty reserves the right to require the withdrawal of any student at any time if, in the opinion of his instructors, he is incompetent. There can be no appeal from this decision.

GRADING

At the conclusion of each course, students are graded in five groups as follows:

A = Excellent
B = Good
C = Fair
D = Doubtful
E = Failure

In reporting the grading, the names of those students who attain "A" standing are arranged in order of merit; in all other grades the arrangement is alphabetical.

By regulation of the Faculty of Medicine, a student is not permitted more than one "D" grade in the examinations of a single year. In the presence of other "D" or "E" grades all "D" grades are automatically converted into failures by the Promotion Committees.

The grade assigned to a student is based upon the results of the Final Examination, but the instructor also takes into account the record of the work done throughout the course.

The quality of the English used by a candidate is taken into account in determining his standing in all examinations.

REQUIREMENTS FOR THE DEGREE OF M.D.,C.M.

1. Every candidate for the degree of Doctor of Medicine and Master of Surgery in this University must be at least twenty-one years of age and of good moral character.

2. He must have fulfilled all the requirements for entrance to the Faculty of Medicine and have attended courses of instruction for four full sessions of not less than nine months each in this University or in some other university, college or school of Medicine, approved by this University. (See page 1607.)

3. No one is permitted to become a candidate for the degree who has not attended at least two full sessions at this University.

4. Every candidate for the degree must have passed all of the required examinations in the subjects comprising the Medical course.

5. He must have attended the practice of the Royal Victoria Hospital or the Montreal General Hospital, or of some other hospital (with not fewer than one hundred beds) approved by this University and the practice of the Montreal Children's Hospital; and must have acted as clinical clerk in Medicine, Surgery, Paediatrics and Psychiatry and have fully reported upon the prescribed number of cases.

6. He must also have attended the practice of the Maternity Hospital or other lying-in hospital approved by the University, and have acted as assistant in at least twenty cases.

7. Every candidate must also have administered anaesthetics, under direction, at least six times, and have assisted at not less than six autopsies.

REQUIREMENTS FOR LICENCE

Intending students are reminded that a University degree in Medicine does not in itself confer the right to practise the profession of medicine. In each Province of Canada and in each one of the United States the right of licensing is vested in a Licensing Body which has its special laws and requirements; in many cases a special standard of general education is insisted upon before *beginning* the study of medicine. One of the requirements in several provinces is that the entrance qualifications of the student must be registered with the provincial licensing body for five years before a licence to practise can be obtained.

N.B —In order that disappointment and loss of time may be avoided, the University requires Canadian students to register with the licensing body of their home province before beginning their medical course.

Full information as to the requirements for registration in the various provinces may be obtained from the Registrars of the Provincial Medical Boards, as follows:

QUEBEC—Dr. J. Paquin, 1896 Dorchester St. West, Montreal 25, P.Q.

ONTARIO—Dr. H. McPhedran, 174 St. George St., Toronto 5, Ont.

NEW BRUNSWICK—Dr. J. M. Barry, 182 Princess St., Saint John, N.B.

NOVA SCOTIA—Dr. M. R. Macdonald, Victoria General Hospital, Halifax, N.S.

PRINCE EDWARD ISLAND—Dr. R. G. Lea, 170 Fitzroy St., Charlottetown, P.E.I.

MANITOBA—Dr. M. T. Macfarland, 605 Medical Arts Building, Winnipeg, Man.

ALBERTA—Dr. W. Bramley-Moore, 207 Alexandra Block, Edmonton, Alta.

SASKATCHEWAN—Dr. G. N. Peacock, 415 Birks Bldg., Saskatoon, Sask.

BRITISH COLUMBIA—Dr. Lynn Gunn, 1807 West 10th Avenue, Vancouver 9, B.C.

NEWFOUNDLAND—Dr. C. Macpherson, P.O. Box 5121, St. John's, Nfld.

DOMINION REGISTRATION

In order to take the examination of the Medical Council of Canada a candidate must have the licence of a Canadian province, or he must present a certificate from the Registrar of a Provincial Medical Board that he holds qualifications accepted and approved of by the Medical Board of that province.

Full information may be obtained by writing to the Registrar, 77 Metcalfe Street, Ottawa 4, Ontario.

GENERAL COUNCIL OF MEDICAL EDUCATION

The entrance requirements in Medicine of this University are accepted by the General Medical Council of Great Britain. Graduates of this University who desire to register in England are exempted from any examination in preliminary education on production of the McGill Matriculation certificate. Certificates of this University for attendance at lectures, practical work, and clinics are also accepted by the various examining boards in Great Britain.

Detailed information may be obtained from the Registrar, General Council of Medical Education and Registration, 44 Hallam Street, Portland Place, London, W.1, England.

Courses of Instruction

DEPARTMENT OF ANAESTHESIA

Associate Professor	R. G. B. GILBERT, *Chairman*
Wellcome Research Professor	J. G. ROBSON
Assistant Professors	P. R. BROMAGE
	W. G. CULLEN
	H. T. DAVENPORT
	GLADYS ELLISON
	R. S. FERGUSON
	R. A. MILLAR
	A. B. NOBLE
	D. J. POWER
Lecturers	G. F. BRINDLE
	J. J. KELLY
	P. O'SHAUGHNESSY
	J. B. SUTHERLAND
Demonstrators	N. W. B. CRAYTHORNE
	J. D. A. FIRTH
	DEIRDRE GILLIES
	E. W. LARKING
	A. W. MACDONALD
	D. J. L. MACWATT
	A. N. MUNGALL
	ANNE RICHARDSON
	F. A. ROBILLARD
	J. K. ROSALES
	A. C. SHERIDAN
	F. R. H. WRIGLEY

UNDERGRADUATE COURSES

A student in Medicine, before reaching that part of the curriculum which deals with anaesthesia, will have acquired during the earlier years at the University some incomplete, but important knowledge of anaesthesia while taking courses in anatomy, physiology, biochemistry, pharmacology and pathology.

In the Third year he attends twelve lectures, illustrated by sound films, given by the chairman of the Department. The student is given advice on what to read. An examination may follow the termination of this session.

In the Fourth year a period of one week is spent in the operating room. The student is assigned to an anaesthetist each morning from 8-12 while in the afternoon from 1.30 - 2.30 he attends a didactic session concerning the procedures he has witnessed.

Also in this year the one month "Period of Election" may voluntarily be spent in the Department of Anaesthesia of one of the University hospitals. This presents opportunity for additional supervised clinical work in the operating room, the recovery room and the intensive care unit.

Textbook: R. D. Dripps et al. Introduction to Anesthesia (Saunders, 1957).

DEPARTMENT OF ANATOMY

Professors	C. P. LEBLOND, *Chairman* J. LANGMAN C. P. MARTIN
Associate Professors	S. M. BANFILL Y. CLERMONT
Assistant Professor	N. J. NADLER
Lecturers	E. W. WORKMAN L. HELLER
Hon. Lecturer	G. F. BRINDLE
Research Associate	M. ENESCO
Teaching Fellow	D. PUDDY

REQUIRED COURSES

1. GROSS ANATOMY

First year: Six hours per week during the Autumn term and nine hours per week during the Winter and Spring terms. Dissection and lectures cover the gross anatomy of the body except the Head, Neck and Brain. The course includes Embryology and Surface and Radiological Anatomy.

Second year: Nine hours per week during the Autumn term. Dissection and lectures on the Head, Neck and Brain. This course is followed by 2. *Introduction to the Central Nervous System*, listed below, and a combined examination is held at the end of the year.

2. INTRODUCTION TO THE CENTRAL NERVOUS SYSTEM

Six hours lecture and laboratory per week during the second term of the Second year and two hours lectures per week during the third term. Conducted with the co-operation of the Departments of Neurology and Neurosurgery, Physiology and Psychology. This course is listed under the Department of Neurology and Neurosurgery as 2A.

3. APPLIED ANATOMY

One hour per week lecture during the Autumn, Winter and Spring terms (Designed for graduate students and candidates for the Diploma in Surgery).

Textbooks: T. B. Johnston and D. V. Davies, Gray's Anatomy, 32nd ed. (Longmans 1954) or J. C. Brash, Cunningham's Text-Book of Anatomy 9th ed. (Oxford 1951).

Practical Manual: J. T. Aitken *et al.*, A Manual of Human Anatomy, 5 vols. (Livingstone 1956).

Surface Anatomy: A. B. Appleton *et al.*, Surface and Radiological Anatomy, 3rd ed. (Heffer 1949).

Optional Texts: J. E. Frazer, Anatomy of the Human Skeleton by A. S. Breadnach, 5th ed. (Churchill 1958); J. C. B. Grant, An Atlas of Anatomy, 4th ed. (Williams and Wilkins 1956); J. C. B. Grant, A Method of Anatomy, 6th ed. (Williams and Wilkins, 1958); E. B. Jamieson, Illustrations of Regional Anatomy, 7th ed. 7 vols. (Livingstone 1947); T. B. Johnston, A Synopsis of Regional Anatomy, 8th ed. (Churchill 1957); A. Lee McGregor, Synopsis of Surgical Anatomy, 8th ed. (Wright, 1957); S. W. Ranson and S. L. Clark, Anatomy of the Nervous System, 10th ed. (Saunders 1959).

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry and Physiology, in rotation.

ELECTIVE COURSES

The Department provides, as far as material will permit, facilities for advanced work or revision. The Chairman of the Department should be consulted by anyone wishing to undertake work of this nature.

4. ADVANCED NEURO-ANATOMY

Lecture and laboratory work on two evenings per week from October to December. By arrangement the course is held in the Neurological Institute under the direction of Dr. McNaughton. The class is limited to ten. The course consists of the construction of plasticine models of the brain, based on individual study of the brain and brain stem.

MICROSCOPIC ANATOMY

REQUIRED COURSE

6. HISTOLOGY

The study of the histological structure of the body. Two or three hours lectures and six or nine hours laboratory work per week during the first two terms of the first medical year.

Textbooks: A. W. Ham, Histology, 3rd ed. (Lippincott 1957); A. A. Maximow and W. Bloom, A Textbook of Histology, 7th ed. (Saunders 1957); Bailey's Textbook of Histology, 14th ed., by W. M. Copenhaven and D. D. Johnson (Williams and Wilkins, 1958).

Additional Reading: J. C. Finerty and E. V. Cowdry, A Textbook of Histology, 5th ed. (Lea and Febiger 1960); E. D. P. DeRobertis, W. W. Nowinski and F. A. Saenz, General Cytology, 3rd ed. (Saunders 1960); R. O. Greep, Histology (Blakiston 1954).

ELECTIVE COURSE

7. EXPERIMENTAL MORPHOLOGY

(a) A seminar on biological problems—1 hour per week.

(b) A practical course on the planning of biological experiments, laboratory animal management and operations, histological and histometrical techniques, tracing methods (Radioisotope measurement by Geiger counter and localization in tissue section by radioautography), microphotography, statistical methods for assessing data, etc. One hour lecture and 2 hours laboratory per week.

EMBRYOLOGY

REQUIRED COURSE

8. THE STUDY OF HUMAN DEVELOPMENTAL ANATOMY

This course is integrated with 1. *Gross Anatomy.* Lectures and demonstrations of live material and models are distributed over the First year and the first term of the Second year. Topics emphasized are: early stages of development; the cardio-vascular, respiratory, gastro-intestinal, urogenital and nervous system; and the fetal membranes.

Textbooks: L. B. Arey, Developmental Anatomy, 6th ed. (Saunders 1954); W. J. Hamilton *et al.*, Human Embryology, 2nd ed. (Heffer 1952); Section on Embryology in Cunningham's Textbook of Anatomy; Section of Embryology in Gray's Anatomy.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor	R. W. Reed, *Chairman*
Associate Professors	G. G. Kalz
	J. W. Stevenson
Assistant Professors	Fritz Blank
	C. A. Butas
	A. M. Masson
	B. H. Matheson
	S. I. Vas
Lecturers	P. E. Cooke
	M. Franklin
	L. Kapica
	E. Mankiewicz
	S. Nommik
	F. H. Prissick
	R. Silov
Demonstrators	A. S. A. Hubbard
	S. Juhasz
	G. D. Micklea
Teaching Fellow	E. L. Medzon

All lectures and laboratory courses are given in the Department of Bacteriology, Pathological Institute.

20. MEDICAL MICROBIOLOGY

This course deals with the general principles of medical microbiology and immunology. The lectures are concerned with the anatomy and physiology of bacteria, theories of infection and immunity and a systematic study of the pathogenic bacteria, viruses and rickettsiae. The animal parasites of man (protozoa, helminths and anthropods) are considered with special emphasis on those found in North America. Laboratory work provides experience in the cultivation, isolation and identification of microorganisms and an opportunity to observe their physiological and immunological properties.

Lectures and laboratory work during the first two trimesters of the Second year.

Textbooks: Wm. Burrows, Textbook of Microbiology, 17th ed. (Saunders 1959); Ernest Jawetz *et al.*, Review of Medical Microbiology, 4th ed. (Lange 1960); D. T. Smith and N. F. Conant, Zinsser's Bacteriology, 11th ed. (Appleton 1957); T. W. M. Cameron, The Parasites of Man in Temperate Climates, 2nd ed. (Univ. of Toronto Press, 1946).

References: R. J. Dubos, Bacterial and Mycotic Infections of Man, 3rd ed. (Lippincott 1958); Sidney Raffel, Immunity (Appleton 1953); A. J. Rhodes and C. E. Van Rooyen, Textbook of Virology, 3rd ed. (Williams and Wilkins 1985); T. M. Rivers and F. L. Horsfall, Viral and Rickettsial Infections of Man, 3rd ed. (Lippincott 1958).

32. SYSTEMATIC BACTERIOLOGY

33b. VIRUSES AND RICKETTSIAE

45. ADVANCED IMMUNOLOGY

46b. UNDERGRADUATE SEMINAR

OTHER COURSES

The Department offers facilities for undergradute and graduate training. See the announcements of the Faculty of Arts and Science and of the Faculty of Graduate Studies and Research.

DEPARTMENT OF BIOCHEMISTRY

Professors	K. A. C. ELLIOTT, *Chairman* O. F. DENSTEDT J. H. QUASTEL D. L. THOMSON
Associate Professors	M. SAFFRAN P. G. SCHOLEFIELD S. SOLOMON
Assistant Professors	ESAU HOSEIN ROSE M. JOHNSTONE D. RUBINSTEIN C. C. SOLOMONS

FIRST YEAR

BIOCHEMISTRY-PHYSIOLOGY 1. Mon. to Fri., at 9 a.m.

BIOCHEMISTRY-PHYSIOLOGY 1L.

Laboratory: six hours a week. *Professor Rubinstein and Staff*

BIOCHEMISTRY-PHYSIOLOGY 1D. Demonstrations and tutorials.

1 hour per week.

This is an integrated course of lectures, tutorials, demonstrations and laboratory work given jointly by the two departments.

INTRODUCTION TO MEDICINE

One hour per week from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are correlated with the lectures given by the Departments of Anatomy, Biochemistry, and Physiology, in rotation.

THIRD YEAR ELECTIVE

3E. RESEARCH IN BIOCHEMISTRY AND PHYSIOLOGY. A limited number of students may take Biochemistry or Physiology as their elective subject in the Third year. These students will be given the opportunity to participate in departmental research projects.

OPTIONAL ADDITIONAL COURSES

For students who are interested in additional studies in Biochemistry the following courses are recommended:

45. METABOLISM. The nature of biological oxidations and reductions and the enzymes concerned therewith, especially from the point of view of transfer of energy; the intermediary metabolism of organic foodstuff, the hormonal control of metabolism.

First term: 2 hours
Second term: 3 hours *Staff*

51-52. SPECIALTIES AND RECENT ADVANCES IN BIOCHEMISTRY. In this course groups of lectures will outline special fields of Biochemistry in which advances have been rapid. The content of the course will change from year to year.

One hour. *Staff*

This course is open only to students who have previously taken advanced courses in Biochemistry.

DEPARTMENT OF HEALTH AND SOCIAL MEDICINE

Strathcona Professor — R. P. VIVIAN, *Chairman*

Associate Professors — D. S. FLEMING; C. W. MACMILLAN; MARGARET E. NIX

Assistant Professor — MARIAN BAIN

Lecturers D. Bews
H. E. Burke
F. M. Jones
Milton G. Townsend
Frederick Wiener

Demonstrators Edith M. Mankiewicz
M. A. Hickey

The Department provides three courses for undergraduates in the Faculty of Medicine—Public Health and Preventive Medicine, Medical Ethics and Jurisprudence, and Medical Statistics.

The course in Medical Statistics is given in the autumn term of the First year and consists of 12 one hour lectures. The course deals with statistical methods and techniques most frequently used in medical work.

The course in Public Health and Preventive Medicine is begun in the autumn term of the Second year and contains, for each student, 24 lectures of 1 hour each and 9 demonstrations or field trips of 2½ hours each, a total time of 46½ hours.

The lectures deal with Epidemiology as a medical science and with the application of epidemiological principles to the study of disease causation and behaviour. Special emphasis is placed upon the influence of the environment upon health. Nutrition is also dealt with as a problem of ecology. Vital Statistics deals with census and estimated populations, registration, definition and computation of rates.

Industrial Toxicology. Four lectures on (a) dusts, fumes, smokes, mists, fogs and vapours (b) metal fume fever (c) arsenic, lead and mercury (d) (d) carbon monoxide (e) organic compounds—aliphatic and aromatic hydrocarbons—halogenated, nitro, and amino derivatives (f) organic solvents (g) factors influencing selection of employees (h) early diagnosis of industrial poisoning.

Field trips and demonstrations pertinent to the lecture material are arranged which include visits to a water plant, a provincial laboratory, the Institute of Microbiology and the Royal Edward Laurentian Hospital; and discussion periods on Public Health Practice and Vital Statistics.

A minor examination is held at the end of the Second year.

The second part of the course in Public Health and Preventive Medicine is given in the Third year. This part contains 12 lectures given to the class as a whole at weekly intervals during the autumn term and 12 afternoon sessions of 2½ hours each, in each of the three week concentration periods provided in the curriculum. The total time for each student in the Third year is 42 hours.

The lectures present the epidemiological approach to the control of communicable diseases and the prevention of degenerative diseases and other disabilities. They are designed to introduce the work of the concentration periods as well as to deal with entities for which no concentration period is provided.

The concentration periods are designed to provide an outline of the organization and activities of public health services in Canada and the operation of local or municipal public health programs, together with didactic material on the etiology, epidemiology and control of specific infectious diseases with demonstration and practice in the use of immunizing agents. The concentration periods also contain the presentation of didactic material on health supervision policies for particular groups in the community with demonstration and discussion.

A final examination is held at the end of the Third year.

Text and Reference Books: M. J. Rosenau, Preventive Medicine and Public Health, ed. by K. F. Maxcy, 8th ed. (Appleton 1956); H. S. Mustard and E. L. Stebbins, Introduction to Public Health, 4th ed. (Macmillan, New York, 1959); H. R. Leavell and E. G. Clark, Preventive Medicine for the Doctor in his Community, 2nd ed. (McGraw-Hill 1958).

MEDICAL ETHICS AND JURISPRUDENCE

The course in Medical Ethics and Jurisprudence consists of some 12 lectures, given to the class as a whole, in the spring term of the Second year.

Twelve lectures on (a) legal status of physicians (b) obligation of the doctor to the state (c) professional secrecy—privileged communications (d) responsibility to the patient—implied and expressed contracts (e) physical examinations, surgical operations and consent (f) malpractice—civil, criminal (g) legal procedures—coroner's court, other courts, medical witness (h) medico-legal aspects of death (i) personal identity in its medico-legal bearing (j) blood stains (k) wounds (l) pregnancy (m) abortion (n) infanticide (o) impotency and sterility (p) rape (q) medico-legal aspects of alcoholic intoxication (r) insanity.

Texts and Reference Books: i. *General:* R. J. M. Buchanan, Textbook of Forensic Medicine and Toxicology, 9th ed. (Livingstone 1925); John Glaister, Medical Jurisprudence and Toxicology, 9th ed. (Williams and Wilkins 1953); T. A. Gonzales *et al.*, Legal Medicine, 2nd ed. (Appleton 1954); D. J. A. Kerr, Forensic Medicine, 5th ed. (Black 1954); H. H. Littlejohn, Forensic Medicine (Churchill 1925); R. H. Long, The Physician and the Law, 2nd ed. (Appleton 1959); W. D. McNally, Toxicology,

Chic., (Indus. Medicine 1937); Sydney Smith and F. S. Fiddes, Forensic Medicine, 10th ed. (Churchill 1955); Sydney Smith and John Glaister, Recent Advances in Forensic Medicine, 2nd ed. (Churchill 1939); A. S. Taylor, Principles and Practice of Medical Jurisprudence, ed. by Sydney Smith, 11th ed., 2 vols. (Churchill 1956-57).

ii. *Industrial Toxicology:* Ethel Browning, Toxicity of Industrial Organic Solvents, 2nd ed. (H.M.S.O. 1953) (G.B. Med. Res. Counc. Indus. Health Res. Bd. Rept. no. 80); Yandell Henderson and H. W. Haggard, Noxious gases, 2nd ed. (Reinhold 1953); Donald Hunter Industrial Toxicology (Oxford 1944).

HISTORY OF MEDICINE

Professor LLOYD G. STEVENSON

REQUIRED COURSES

1. INTRODUCTORY COURSE (First year)

   A series of 12 lectures given during the first month of the medical course to provide an historical orientation to the student entering upon the study of medicine.

2. HISTORY OF MEDICINE (Second year).

   A series of 12 lectures providing a survey of the history of relationships between medicine and general culture, with reference to economics, politics, philosophy and religion.

DEPARTMENT OF INVESTIGATIVE MEDICINE

Professor	J. S. L. BROWNE, *Chairman*
Assistant Professors	C. J.-P. GIROUD
	N. KALANT
Research Associate	S. SOLOMON
Lecturers	IVAN BECK
	C. I. CHAPPEL
	M. M. GOLD
	R. SCHUCHER
	R. WOLFE

The Department offers courses leading to the degrees of M.Sc. and Ph.D. in the Faculty of Graduate Studies and Research and provides research facilities for these students or for other persons proceeding to graduate

degrees, diplomas or for other qualified individuals. The Department is also prepared to make arrangements to offer elective courses for Medical undergraduate students.

The courses and the direction of research in this department are given in close collaboration with the Department of Experimental Medicine and members of either department give lectures and direct the research of graduate students registered in the other.

Students may work either in the Medical Building or in one of a number of hospitals depending on the type of work done (clinical or laboratory) or upon the individual directing the research. Part of the function of the department is the correlation of clinical investigation being done at various hospitals.

Students holding either the M.D. or B.Sc. degree or its equivalent may enter the department provided that their standing is acceptable. For the list of courses and further details see the Calendar of the Faculty of Graduate Studies and Research.

DEPARTMENT OF MEDICINE

Professors

RONALD V. CHRISTIE, *Chairman*
D. G. CAMERON

Associate Professors:

D. V. BATES
J. C. BECK
E. H. BENSLEY
G. A. COPPING
NEIL FEENEY
R. R. FORSEY
C. W. FULLERTON
G. W. HALPENNY
W. H. P. HILL
M.M. HOFFMAN
J. G. HOWLETT
A. L. JOHNSON
LOUIS LOWENSTEIN
M. MCGREGOR
H. S. MITCHELL
BRAM ROSE
S. R. TOWNSEND

Assistant Professors:

J. L. ADAMS
R. C. BENNETTS
F. M. BOURNE
H. E. BURKE
G. E. CRAIG
A. F. FOWLER
L. G. JOHNSON
LESTER MCCALLUM
E. E. MCGARRY
R. D. MCKENNA
K. R. MACKENZIE
R. O. MORGEN
C. J. PATTEE
E. A. S. REID

F. Kalz
J. F. Meakins
I. G. Milne
F. M. Smith
P. B. Stewart
A. T. Thom
B. D. Usher

Lecturers:

M. Aronovitch
C. M. Ballem
C. S. Barker
R. G. Baxter
J. O. W. Brabander
J. L. Brandt
S. Brown
Lauder Brunton
Lloyd Caswell
R. A. Cleghorn
William Cohen
P. A. Edwards
A. Gold
Alec Gordon
R. G. M. Harbert
C. H. Hollenberg
A. W. Lapin
W. Leith
B. A. Levitan
A. D. Macdonald
C. C. Macdonald
D. J. MacIntosh
M. McKenzie
J. R. Martin
A. Miller
M. Notkin
J. A. P. Paré
R. E. G. Place
J. S. Polson
T. L. Quintin
Lorne Shapiro
K. A. Sowden
Murray Stalker
E. A. Turcot
P. G. Weil
G. E. Wight
D. H. Woodhouse

Demonstrators:

J. R. Albert
Eva Arendt
A. Aronoff
David Barza
I. T. Beck
T. A. Brown
Parker Chesney
M. S. Cohen
B. A. Cooper
S. R. Cooper
R. F. P. Cronyn
J. H. Darragh
L. J. Korenberg
L. Kovacs
W. A. R. Laing
W. K. Macdonald
D. G. Mackay
Melvin McQuitty
D. M. Marcus
Bernard Pollak
S. L. Richardson
Jack H. Rubin
P. Schopflocher
J. A. Shanks

N. M. K. deLeeuw
S. Eidinger
C. M. Flint
P. A. Flint
S. O. Freedman
T. R. Hale
J. L. Hutchison
G. E. Joron
M. Kaye
D. G. Kinnear
A. Knight
A. Shulman
P. Sommerfreund
C. H. Stacey
R. L. Stanford
K. R. Stewart
David Stubington
T. J. Sullivan
P. P. Telner
J. Wener
J. C. G. Young

EXPERIMENTAL MEDICINE

Professor	Eleanor H. Venning
Associate Professor	Samuel Solomon
Assistant Professors	Margaret R. Becklake
	Ronald Hobkirk
	Maxwell Richter
	David Rubinstein

N.B. See Announcement of the Faculty of Graduate Studies and Research.

THE CURRICULUM IN THE DEPARTMENT OF MEDICINE

FOREWORD

The object of the following courses is to impart a sound knowledge of the principles of general medicine in the diagnosis and treatment of disease, to afford a knowledge of the technique, and, above all, so to train the student that he will be enabled to cultivate the faculty of critical judgment. The mere instruction, of itself, is regarded as but a part of the course, while the personal contact of students, teachers, and patients throughtout the final years is of prime importance.

The close correlation of physiology, anatomy, and biochemistry with clinical medicine is emphasized—not only in the pre-clinical years, but later in hospital and laboratory—thus affording students a modern scientific medical training. The importance of regarding the patient as a person is emphasized throughout.

Unusual facilities are afforded at the Royal Victoria Hospital and at the Montreal General Hospital where there are extensive laboratories for the study of disease in all its phases. Excellent clinical facilities are afforded at both these hospitals, as well as by affiliation with other institutions.

REQUIRED COURSES

SECOND YEAR

COURSE II 1—INTEGRATION OF PHYSIOLOGY, BIOCHEMISTRY AND ANATOMY WITH MEDICINE

Time—Last term of Second year: three lectures a week.

Place—Medical Building.

Subject Material—This course covers in a systematic manner the deviations from the normal of the physiological and biochemical functions. These are correlated so as to explain symptoms and signs which may be found on physical examination as detected by clinical methods dealt with in Course II 2. This course is so interpreted as to give the student a panoramic view of these disturbances with a proper perspective.

COURSE II 2—A PRACTICAL COURSE IN CLINICAL METHODS

Time—Third term of Second year.

Place—Outpatient Departments of the Royal Victoria, Montreal General, and Queen Mary Veterans Hospitals.

Subject—Practical instruction 6 hours a week on Normal and Abnormal Physical Signs.

COURSE II 3—LABORATORY DIAGNOSIS

Time—Last term of Second year.

Place—Medical Building.

Subject—Instruction and practice 2 periods a week in microscopy as applied to clinical medicine. *Dr. Lauder Brunton and Assistants*

THIRD YEAR

COURSE III 4—CASE REPORTING

During the trimester in Medicine students will be assigned patients in the wards. They will be required to write case histories, make a general examination, note progress, and do such laboratory investigations as are within their scope and have access to all other Laboratory and X-Ray findings. Teaching Fellows will be available to assist students

in this work. Bedside clinics and seminars are conducted by members of the attending staff. Experience in Dermatology and other medical specialties is provided.

COURSE III 5—CLINICO-PATHOLOGICAL CONFERENCE

Time—Weekly during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

COURSE III 6—Integration of Physiology, Biochemistry and Anatomy with Medicine—a continuation of course II. One lecture a week for 2 terms, two lectures a week for the third term.

COURSE III 7—THERAPEUTICS

A course of 20 lectures on the principles of therapeutics and on the treatment of various diseases for which clinical material is not readily available.

FOURTH YEAR

COURSE IV 8—CASE REPORTING

An effort is made to enable the student in the Fourth year to take an active part in the care of the patient, both in the wards and in the Out-door Clinics. One month will be spent on the wards and one month in the "Comprehensive Clinic" of the outpatient department. Bedside clinics and seminars are conducted by members of the attending staff. Experience in Dermatology and other medical specialties is provided.

COURSE IV 9—CLINICAL PATHOLOGICAL CONFERENCE

Time—Once a week during the medical term.

Place—The Royal Victoria and the Montreal General Hospitals.

TEXT AND REFERENCE BOOKS

The following books have been classified under general headings and are merely suggestions from which the student may choose according to his own needs. The list is not intended to be exclusive; there are other text books which the student may prefer. The list of reference books is given for information.

Clinical and Laboratory Methods and Physical Diagnosis: R. C. Cabot and F. D. Adams, Physical Diagnosis, 13th ed. (Wood 1942); R.. B. H. Gradwohl, Clinical Laboratory Methods and Diagnosis, 5th ed. 2 vols.

(Mosby 1956); T. H. Ham, ed., A Syllabus of Laboratory Examination in Clinical Diagnosis (Harvard Univ. Pr. 1952); Hutchison's Clinical Methods by Donald Hunter and R. R. Bomford, 13th ed. (Cassell 1956); S. S. Leopold, The Principles and Methods of Physical Diagnosis, 2nd ed. (Saunders 1957); McGill University, Dept. of Medicine, Guide to Medical Case Reporting, 3rd ed., 1950; R. H. Major and M. H. Delp, Physical Diagnosis, 5th ed. (Saunders 1956); J. C. Todd *et al.*, Clinical Diagnosis by Laboratory Methods, 12th ed. (Saunders 1953); Harry Walker, Physical Diagnosis (Mosby 1952).

Physio-Pathology: C. H. Best and N. B. Taylor, The Physiological Basis of Medical Practice, 6th ed. (Williams and Wilkins 1955); Meyer Bodansky and Oscar Bodansky, Biochemistry of Disease, 2nd ed. N.Y. (Macmillan 1952); Abraham Cantarow and Max. Trumper, Clinical Biochemistry, 5th ed. (Saunders 1955); C. H. Gray, Clinical Chemical Pathology (Williams and Wilkins 1953); J. P. Peters and D. D. Van Slyke, Quantitative Clinical Chemistry, vol. 1: Interpretations, 2nd ed. (Williams and Wilkins 1946); W. A. Sodeman, Pathologic Physiology, 2nd ed. (Saunders 1956); Samson Wright, Applied Physiology, 9th ed. (Oxford 1952).

General Medicine: R. L. Cecil and R. F. Loeb, Textbook of Medicine, 10th ed. (Saunders 1959); J. J. Conybeare and W. N. Mann, Textbook of Medicine, 12th ed. (Livingstone 1957); L. S. P. Davidson, Principles and Practice of Medicine; 4th ed. (Livingstone 1958); T. R. Harrison, Principles of Internal Medicine, 3rd ed. (Blakiston, 1958); J. C. Meakins, Practice of Medicine, 6th ed. (Mosby 1956); W. M. Yater, Fundamentals of Internal Medicine, 4th ed. (Appleton 1954).

Differential Diagnosis: W. M. Barton and W. M. Yater, Symptom Diagnosis, 4th ed. (Appleton 1942); T. D. Savill, System of Clinical Medicine, 12th ed. (Williams and Wilkins 1944).

Dermatology: R. W. MacKenna, Diseases of the Skin by R. M. B. MacKenna, 5th ed. (Bailliere 1952); Norman Tobias, Essentials of Dermatology, 5th ed. (Lippincott 1956); Norman Walker and G. H. Percival, Introduction to Dermatology, 12th ed. (Livingstone 1956).

Miscellaneous Reference Books: G. G. Duncan, Diseases of Metabolism, 4th ed. (Saunders, 1959); C. K. Friedberg, Diseases of the Heart, 2nd ed. (Saunders 1956); E. P. Joslin, Diabetic Manual for the Doctor and Patient, 10th ed. (Lea and Febiger 1959); J. S. McLester and W. J. Darby, Nutrition and Diet in Health and Disease, 7th ed. (Saunders 1958); O. S. Ormsby and Hamilton Montgomery, Diseases of the Skin, 8th ed. (Lea and Febiger 1954); E. H. Rubin, Diseases of the Chest (Saunders 1947); Samuel Soskin, Progress in Clinical Endocrinology

(Grune 1950); R. L. Sutton and R. L. Sutton, Diseases of the Skin, 11th ed. (Mosby 1956); H. B. Taussig, Congenital Malformations of the Heart (Oxford 1948); L. E. H. Whitby and C. J. C. Britton, Disorders of the Blood, 8th ed. (Churchill, 1957); M. M. Wintrobe, Clinical Hematology, 4th ed. (Lea and Febiger 1956).

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

Chairman and Professor of Neurology and Neurosurgery	THEODORE RASMUSSEN
Professor of Neurology	FRANCIS MCNAUGHTON
Professor of Neurosurgery	WILLIAM FEINDEL
Professor of Experimental Neurology	HERBERT JASPER
Professor (Biochemistry) and Director Donner Laboratory of Neurochemistry	K. A. C. ELLIOTT
Associate Professor of Neurology	PRESTON ROBB
Associate Professor of Neurosurgery	ARTHUR ELVIDGE
Associate Professor of Neurological Radiology	DONALD MCRAE
Assistant Professors of Neurology	J. B. R. COSGROVE
	D. L. LLOYD-SMITH
	REUBEN RABINOVITCH
	W. F. T. TATLOW
Assistant Professor of Neuropathology	GORDON MATHIESON
Assistant Professors of Neurosurgery	HAROLD ELLIOTT
	GILLES BERTRAND
Assistant Professor of Experimental Neurology	PIERRE GLOOR
Assistant Professor of Neurochemistry	LEONHARD WOLFE
Assistant Professor of Clinical Psychology	BRENDA MILNER
Lecturers in Neurology	BERNARD GRAHAM
	IRVING HELLER
	D. E. HOWELL
Lecturers in Neurosurgery	JOHN BLUNDELL
	CHARLES BRANCH
Lecturer in Experimental Neurology	HANNA PAPPIUS
Demonstrators in Neurology	J. C. JACOB
	ISRAEL LIBMAN
	ALLAN MORTON
	SUSAN WOODCOCK
Demonstrators in Neurosurgery	JESSE BARBER
	PHANOR PEROT
	HUGH SAMSON
Demonstrator in Electroencephalography	LEWIS HENDERSON

Fellows of the Montreal Neurological Institute:

FREDERICK ANDERMANN
JESSE BARBER
BARTOLOMO BARONE
DIWAN BHATHAL
FERNAND BILODEAU
BARUCH BLOOM
RICHARD BROWN
STIRLING CARPENTER
GUIDO CASTORINA
FLOYD COOPER
VIJAY DAVE
GARTH EMBREE
HENRY GARRETSON
RAYMOND GIGUÈRE
RAYMOND GROSSMAN
MANOUCHER GUERAMY
DES RAJ GULATI
JAN GYBELS
J. C. JACOB
KENNETH KAPPHAHN
GEORGE KARPATI
DOREEN KIMURA
ISRAEL LIBMAN
RICHARD LOVELL
J. A. LOWDEN
FALAH MAROUN
MORIO MATSUNAGA
HUNTINGTON MAVOR
ROSARIO MUSELLA
JEWELL OSTERHOLM
PHANOR PEROT
FOSTER REDDING
YAVUZ RENDA
RICHARD ROVIT
HUGH SAMSON
JEAN SIEGFRIED
COSTAS STEFANIS
CRISTIAN VERA
SUSAN WOODCOCK

SECOND YEAR

2A INTRODUCTION TO THE CENTRAL NERVOUS SYSTEM. Combined course given by the Departments of Anatomy, Neurology and Neurosurgery, Physiology and Psychology. Two hours lecture, three hours laboratory and one hour demonstration per week, during the second term and two hours lecture per week during the third term.

Professors McNaughton, Jasper, Burns and Hebb

2B INSTRUCTION IN CLINICAL EXAMINATION OF THE NERVOUS SYSTEM. Given in conjunction with the Department of Medicine in the third term.

2C NEUROPATHOLOGY. Given in conjunction with the Department of Pathology in the third term. *Professor Mathieson*

2D APPLIED PHYSIOLOGY (Department of Medicine). Six lectures.

Professors Rasmussen, McNaughton and Staff

THIRD YEAR

3A CLERKSHIP IN NEUROLOGY AND NEUROSURGERY. Four afternoons per week for three weeks, at the Montreal Neurological Institute.

Professors Rasmussen, McNaughton and Staff

3B SURVEY LECTURES, DISEASES OF THE NERVOUS SYSTEM. 12 lectures given during the first term. *Professors Rasmussen, McNaughton and Staff*

3C CLINICS AND CONFERENCES IN CONJUNCTION WITH THE DEPARTMENTS OF MEDICINE AND SURGERY.

FOURTH YEAR

CLINICS AND CONFERENCES IN CONJUNCTION WITH THE DEPARTMENTS OF MEDICINE AND SURGERY.

ELECTIVE COURSES

A. SEMINAR IN NEUROANATOMY, M.N.I.

1. This course is given in combination with course 2A "Introduction to the Central Nervous System."

2. Additional graduate seminars will be held co-ordinated with Course B.

3. Graduate students are expected to act as demonstrators and to pass the same examination which is given in undergraduate course 2A, but with higher standing. *Professor McNaughton*

4. Advanced Neuroanatomy for selected group; times to be arranged. *Professor McNaughton*

B. SEMINAR IN NEUROPHYSIOLOGY.

1. Lectures and examination together with undergraduate course 2A "Introduction to the Central Nervous System".

2. Weekly seminars and demonstrations co-ordinated with Course A-2 (4 months, beginning in December). Mondays, 4:30 to 6:00 p.m.

3. Under exceptional circumstances, a paper on a neuro-physiological subject may be written by special arrangements as a substitute for B-1.

Professors Jasper, Elliott and Gloor

C. COLLOQUIUM IN CLINICAL NEUROLOGY.

1 hour weekly, clinics and lectures, Wednesdays, 5:00 p.m. M.N.I. (9 months). *Staff and Visiting Lecturers*

D. SEIZURE MECHANISMS AND CEREBRAL LOCALIZATION: CLINICAL ELECTRO-ENCEPHALOGRAPHIC, AND ROENTGENOGRAPHIC CONFERENCE.

M.N.I. 1½ hours weekly (9 months). Tuesdays, 4:00 to 5:30 p.m.
Professors Rasmussen, Jasper, McNaughton and McRae

E. OUTLINE OF NEUROCHEMISTRY

Instruction in neurochemistry in addition to that provided in course B-2 may be obtained by special arrangement. *Professor Elliott*

F. NEUROPATHOLOGY.

1. Six months laboratory work in neuropathology.
Professors Mathieson and Bertrand

2. Conference in neuropathology, Thursday 4-5 p.m.
Professors Mathieson and Gertrand

3. Introduction to Histopathology of the Nervous System.
A short basic course for a limited number. By special arrangement with Professor Mathieson.

For graduate credit, courses Nos. 1 and 2 are required. Under special circumstances written and/or oral examinations may be substituted for Nos. 1 and 2 for students who have taken course No. 3.

G. NEUROLOGICAL RADIOLOGY.

1. Lecture demonstrations (3 months beginning in September). Mondays 4:30 to 6:00 p.m.

2. Colloquium, 1 hour weekly (9 months) Mondays, 9:00 a.m.
Professor McRae

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Professor — G. B. MAUGHAN, *Chairman*

Associate Professors
W. R. FOOTE
J. P. A. LATOUR
K. T. MACFARLANE
G. A. SIMPSON

Assistant Professors
J. L. MACARTHUR
T. PRIMROSE
D. W. SPARLING
G. J. STREAN
F. J. TWEEDIE

Lecturers
P. R. BLAHEY
H. B. BOURNE
GRACE DONNELLY
SIMON GOLD
M. HENDELMAN
E. A. MACCALLUM
H. OXORN
J. H. ROUTLEDGE
M. H. V. YOUNG

Demonstrators
G. H. ARRONET
J. R. DODDS
J. S. HENRY, JR.
R. M. PARSONS
J. PORTNUFF
P. C. TREMBLAY

Teaching and Administrative Assistants
R. P. BECK
W. D. FRASER

The course is designed to impart a fundamental knowledge of the processes of human parturition, gynaecology and the care of the New-born. The student is introduced to the subject in his Second year. Thereafter in

both his Third and Fourth years, intensive teaching is carried out using to the full the facilities of the Royal Victoria Montreal Maternity Hospital and to a lesser extent the gynaecological wards of the Montreal General Hospital. The Royal Victoria Montreal Maternity Hospital is the largest teaching unit of its kind in Canada and the clinical material to be found in its wards is unsurpassed.

REQUIRED COURSES

SECOND YEAR—

An introductory course of twelve lectures is given by Professor Maughan during the last term. Following a review of the embryology and anatomy of the female genital tract the particular biochemical and endocrine aspects of the subject are taken up. The course closes with a description of the physiology of pregnancy and labour. Lectures are held in the Medical Building, McGill University.

THIRD YEAR—

OBSTETRICS

During this year, twenty-eight lectures are given to teach the fundamentals of pregnancy, labour and the puerperium by the members of the Royal Victoria Montreal Maternity Hospital Staff. Following this series the Montreal General Hospital Staff conduct five lecture classes as an introduction to gynaecology. Medical Building, McGill University.

An intensive six weeks of instruction in obstetrics is given each group of students during the academic year by the Staff of the Royal Victoria Montreal Maternity Hospital. Students group are further divided into smaller tutorial units so that individual students can be given the greatest opportunity to take part in the practical work of the class.

Eighteen hours are devoted to Manikin Instruction. Physical diagnosis at the bedside and Clinical Management in the wards and case rooms are allocated six hours each.

Professor Maughan conducts six seminars on the Principles and Theory of Obstetrics and a further six hours are taken up by the members of the Staff in reviewing current work in the subject.

Six hours of gynaecological colloquia are given by a senior member of the Royal Victoria Montreal Maternity Hospital Staff to augment the gynaecological teaching noted below.

Students are also required to attend Departmental Ward Rounds in the Royal Victoria Montreal Maternity Hospital when interesting cases are discussed and lectures given on the latest advances in the field.

Six classes are given by Doctor G. Nickerson, Paediatrician-in-Chief of the Royal Victoria Hospital and his Staff to introduce the student to the care of the new-born.

GYNAECOLOGY

Thirty-six demonstrations or lectures at the bedside or in the Out-Patient Department, to demonstrate the diagnosis and treatment of gynaecological disorders. *Professor MacFarlane and Assistants, Montreal General Hospital.*

FOURTH YEAR—

No formal lectures are given during the intensive four week course in obstetrics and gynaecology which is held entirely in the Royal Victoria Montreal Maternity Hospital. Students are coached in small groups and will live in the hospital for at least nine days. While living in, they are expected to participate in the work of the delivery rooms and wards. Written case reports are required and the student's progress is assessed partly on the care taken in the recording of the assigned cases and their follow-up. Teaching is divided between obstetrics and gynaecology using the facilities of the indoor and outdoor departments.

An eight hour refresher course in Manikin is given.

Professor Maughan conducts group hospital rounds once a week.

Twenty-four hours are devoted to bedside clinics on antepartum and portpartum management of the obstetrical patient with particular emphasis on the recognition and treatment of complications.

Eight hours of revision seminars. *Doctor Primrose*

Sixteen hours are devoted to the discussion of problems presented by the students. *R.V.M.M.H. Staff*

Attendance at Outdoor clinics four afternoons a week is compulsory. Minor gynaecology and antepartum care are taught by the Staff members in charge of the cases. Students are also required to be present at Departmental Staff rounds each Wednesday morning during term.

Twelve bedside clinics are given in gynaecology by members of the Staff.

Eight lecture-demonstrations in Gynaecological Pathology are given by Doctor Latour and assistants who are also responsible for four hours of clinical instruction on the diagnosis and treatment of genital cancer.

Clinical Endocrinology is reviewed in four sessions of one hour.

Doctor Nickerson and Staff offer four lectures on New-born Paediatrics together with eight demonstrations in the nurseries.

Obstetrics textbooks: R. W. Johnstone and R. J. Kellar, Textbook of Midwifery, 17th ed. (Black 1957); N. J. Eastman, Williams' Obstetrics, 11th ed. (Appleton 1956).

Gynaecological textbooks: F. W. Roques, Diseases of Women, 9th ed. (Arnold 1953).

DEPARTMENT OF OPHTHALMOLOGY

Professor	JOHN C. LOCKE, *Chairman*
Associate Professor	BENJAMIN ALEXANDER J. V. V. NICHOLLS
Assistant Professor	R. J. VIGER
Lecturers	S. T. ADAMS R. A. BOURNE L. S. S. KIRSCHBERG SEAN B. MURPHY WILLIAM TURNBULL
Demonstrators	J. B. CONROY HUGH DUNCAN R. W. PEARMAN R. B. RAMSEY
Teaching Fellow	JOHN A. FOREMAN

The undergraduate work in Ophthalmology is designed to meet the needs of a well-trained general practitioner and embraces the following courses in the Second, Third and Fourth years of the Medical course:

SECOND YEAR

1. ROUTINE EXAMINATION OF THE EYE.

The various tests used in routine examination of the eye are demonstrated. Instruction in the use of the ophthalmoscope is emphasized.

Five hours.

2. PATHOLOGY OF THE EYE.

Six hours: two periods of three hours each.

THIRD YEAR

1. LECTURES TO THE ENTIRE CLASS.

These provide a survey of the entire field and are designed to furnish a background of essential information for the clinical work.

Twelve hours.

2. PRACTICAL OPHTHALMOSCOPY.

Montreal General and Royal Victoria Hospitals.

Nine hours.

3. ELECTIVE COURSE IN OPHTHALMOLOGY.

This four-week course is given three times during the latter half of the Third year. The number of students in any four-week period is limited to two. Most of the time is spent at the Montreal General and Royal Victoria Hospitals. Teaching in Paediatric Ophthalmology is divided between the Royal Victoria and Montreal Children's Hospitals. A varied and intensive program of practical and didactic instruction is provided.

The classes include attendance at general and special clinics, at ward rounds and seminars, and at formal demonstrations and tutorials. Scheduled periods in the eye operating room provide the opportunity to observe the more common operative procedures. The students are assisted in the preparation of an assigned topic which requires them to consult current ophthalmic literature. Instruction in specialized methods of examination of the eye is provided. Emphasis is placed on the participation of the eye in systemic diseases and on eye diseases which the general practitioner will be called upon to treat.

FOURTH YEAR

1. PRACTICAL CLINICAL OPHTHALMOLOGY

Cases from the eye outpatient and indoor services are presented and discussed. Emphasis is on ocular problems that are of greatest moment in general practice.

Nine hours.

Textbooks: Francis H. Alder, Gifford's Textbook of Ophthalmology, 6th ed. (Saunders, 1957); C. A. Perera, May's Manual of the Diseases of the Eye, 21st ed. (Williams and Wilkins, 1953).

Reference books: W. S. Duke-Elder, Textbook of Ophthalmology, 7 vols. (Mosby, 1932-54); Eugene Wolff, Anatomy of the Eye and Orbit (Blakiston, 1954); Eugene Wolff, Pathology of the Eye, 3rd ed. (Blakiston, 1951); Francis H. Adler, Physiology of the Eye, 3rd ed. (Mosby, 1959).

DEPARTMENT OF OTO-LARYNGOLOGY

Professor	W. J. McNally, *Chairman*
Associate Professors	E. E. Scharfe E. A. Stuart
Assistant Professors	H. E. McHugh E. John Smith R. Patrick Gannon
Lecturers	J. D. Baxter Arnold Grossman G. T. Shimo
Demonstrators	R. Hall McCoy R. MacMillan W. H. Novick

Instruction in Oto-Laryngology is given to students in each of the four years and is designed to meet the needs of the general practitioner. The clinical courses are conducted in the wards and out-patient departments of the Montreal General, the Royal Victoria and the Montreal Children's Hospitals. The practical demonstrations are given before small groups of students.

SECOND YEAR

Physical diagnosis is taught in the Second year in six demonstrations. The students review the anatomy of the ears, nose and throat and are taught to use the head mirror and the special instruments more commonly used in the examination of these parts.

THIRD YEAR

Clinical instruction in the Out-door Clinics and wards is given to small groups in "block time" consisting of consecutive mornings for one week for each group. Twelve lectures on Ear, Nose and Throat subjects are given to this class as a whole during the third term.

OURTH YEAR

Clinical instruction is carried out in the Out-patient departments in small groups and the students are given as much personal supervision as possible. The students attend two clinics per week for eight consecutive weeks and take an active part in the examination and treatment of the patients.

ELECTIVE COURSES

The new curriculum provides for Elective Courses of one month in this specialty or in combination with Ophthalmology.

Text and Reference Books: L. R. Boies, Fundamentals of Otolaryngology, 3rd ed. (Saunders 1959); Chevalier Jackson and C. L. Jackson, Diseases of the Nose, Throat and Ear, 2nd ed. (Saunders 1957); A. Logan Turner, Diseases of the Nose, Throat and Ear, 5th ed. (Wright 1952); T. G. Wilson, Diseases of the Ear, Nose and Throat in Children (Heinemann 1955).

DEPARTMENT OF PAEDIATRICS

Professor	ALAN ROSS, *Chairman*
Associate Professors	D. V. BATES
	R. L. DENTON
	A. L. JOHNSON
	E. M. WORDEN
Assistant Professor	P. N. MACDERMOT
Lecturers	H. L. BACAL
	BEN BENJAMIN
	J. H. O'NEILL
Honorary Lecturer	F. CLARKE FRASER
Demonstrators	
PETER AULD	D. A. HILLMAN
P. BANISTER	ELIZABETH HILLMAN
P. H. BEAUDRY	DAVID KLEIN
HELEN BRICKMAN	A. J. MARKUS
H. R. BRODIE	FRANCES MCCALL
J. S. CHARTERS	D. R. MCCRIMMON
D. K. CLOGG	G. H. NICKERSON
T. A. COWAN	SYDNEY PEDVIS
S. I. DOUBILET	C. R. SCRIVER
J. H. ELDER	PIERRE SENECAL
J. E. GIBBONS	FREDERICK SHIPPAM
R. B. GOLDBLOOM	HYMAN SURCHIN
VICTOR C. GOLDBLOOM	W. W. TIDMARSH
R. GOURDEAU	S. J. USHER
ELEANOR HARPUR	ISOBEL WRIGHT
Teaching Fellows	M. M. BELMONTE
	A. H. FINLEY
	R. USHER

REQUIRED COURSES

LECTURES

1. (a) CHILD DEVELOPMENT AND HUMAN RELATIONSHIPS
In the course of twelve periods with the First year class, a child psychiatrist and a paediatrician collaborate at each session in presenting various aspects of child development from the prenatal period to adolescence. With the aid of patients and appropriate films, human relations and their development are discussed from the broadest possible point of view.

(b) A series of 24 lectures once weekly during the Third year designed to cover the various aspects of Diseases of Children; Nutrition, Hygiene, Infections and Communicable Diseases, Preventive Medicine, etc. *Staff*

2. DISEASES OF THE NEWBORN: ROYAL VICTORIA MONTREAL MATERNITY HOSPITAL

(a) A weekly clinic demonstration to groups of students of the Third year during their obstetrical quarter.

(b) A weekly lecture to groups of Fourth year students during their four weeks in Obstetrics.

(c) A bi-weekly demonstration in the nurseries to the group of Fourth year students in residence during their four weeks in Obstetrics. *Staff*

3. CLINICAL PAEDIATRICS

(a) Groups during the final year spend eight weeks entirely at the Montreal Children's Hospital as clinical clerks taking part in bedside clinical conferences and, under supervision, caring for patients in the outpatient department.

(b) Normal growth and development, the care and feeding of the normal infant, immunization procedures, and preventive paediatrics are taught at the Child Health Clinic in the Montreal Children's Hospital. *Staff*

(c) A series of demonstrations to groups of students on the common infectious diseases is given at the Alexandra Hospital as part of the instruction of the final year. *Staff*

Textbooks: W. E. Nelson, Textbook of Pediatrics, 7th ed. (Saunders 1959); D. H. Paterson and J. F. McCreary, Pediatrics (Lippincott 1956).

Reference Books: J. P. Caffey, Pediatric X-ray Diagnosis, 3rd ed. (Year Bk. Pubs. 1956); A. G. DeSanctis and Chas. Varga, Handbook of Pediatric Medical Emergencies, 2nd ed. (Mosby 1956); J. L. Gamble, Chemical

Anatomy, Physiology and Pathology of Extracellular Fluid (Harvard Univ. Pr. 1954); A. L. Gesell, The Embryology of Behavior, the Beginnings of the Human Mind (Harper 1945); Morris Green and J. B. Richmond, Pediatric Diagnosis (Saunders 1954); Leo Kanner, Child Psychiatry, 3rd ed. (Thomas 1957); J. D. Keith, R. D. Rowe and Peter Vlad, Heart Disease in Infancy and Childhood, N.Y. (Macmillan 1958); C. A. Smith, The Physiology of the Newborn Infant, 3rd ed. (Thomas 1959); Lawson Wilkins, Diagnosis and Treatment of Endocrine Disorders in Childhood and Adolescence, 2nd ed. (Thomas 1957).

INSTITUTE OF PARASITOLOGY

Professor	T. W. M. CAMERON, *Director*
Associate Professors	D. FAIRBAIRN
	M. LAIRD
Assistant Professors	R. P. HARPUR
	G. A. SCHAD
	C. E. TANNER
Research Associates	E. MEEROVITCH
	G. A. WEBSTER

REQUIRED COURSES

SECOND YEAR

The animal parasites of man (protozoa, helminths and arthropods) are considered as an integral part of the Second year course in Medical Microbiology (see p. 1622). Exotic parasites are discussed briefly.

ELECTIVE COURSES

The Institute not only provides facilities for advanced research work at the Institute of Parasitology, but offers didactic courses in general and comparative parasitology and courses leading to the degrees of M.Sc., and Ph.D. (See Announcement of the Faculty of Graduate Studies and Research.)

Textbook: T. W. M. Cameron, The Parasites of Man in Temperate Climates, 2nd ed. (Univ. of Toronto Pr. 1946).

DEPARTMENT OF PATHOLOGY

Strathcona Professor	G. C. MCMILLAN, *Chairman*
Associate Professors	W. H. MATHEWS
	A. C. RITCHIE
	F. W. WIGLESWORTH

Assistant Professors	D. S. Kahn
	W. J. Pirozynski
	H. Sheldon
Lecturers	Ilona Kerner
	G. Mathieson
	S. Moore
	Susan Ritchie
	Paula H. Schopflocher
	M. A. Simon
Demonstrator	J. P. Latour

REQUIRED COURSES

1. COURSE IN GENERAL PATHOLOGY (FIRST YEAR)

A. Illustrated lectures during the Spring term totalling 36 hours. *Professors McMillan and Ritchie*

B. Practical laboratory classes during the Spring term totalling 72 hours. *Professor Pirozynski and Demonstrators*

2. COURSE IN SPECIAL PATHOLOGY (SECOND YEAR)

A. Illustrated lectures throughout the Second year totalling 72 hours. *Professor McMillan and Staff*

B. Practical laboratory classes throughout the Second year totalling 72 hours. *Staff*

C. Group demonstrations throughout the Second year totalling 72 hours. *Staff*

3. COURSE IN APPLIED PATHOLOGY (THIRD AND FOURTH YEARS)

A. Clinico-pathological Conferences alternate weeks throughout the Third year totalling 54 hours. *Professor McMillan and Staff*

B. Instruction in the performance of autopsies with demonstration of autopsy findings during the Fourth year.

Pathological Institute — *Professor Pirozynski*

Montreal General Hospital — *Professor Mathews*

The Montreal Children's Hospital — *Professor Wiglesworth*

Textbooks: W. A. D. Anderson, Pathology, 3rd ed. (Mosby 1957); Wm. Boyd, A Textbook of Pathology, 6th ed. (Lea and Febiger 1953); Wm. Boyd, Pathology for the Surgeon, 7th ed. (Saunders 1955); Wm. Boyd, Pathology for the Physician, 6th ed. (Lea and Febiger 1958); C. Payling Wright, Introduction to Pathology, 2nd ed. (Longmans Green 1954).

Reference Books: J. G. Greenfield et al., Neuropathology (Arnold 1958); G. D. Lumb, Tumours of Lymphoid tissue (Livingstone 1954); E. Novak, and E. R. Novak, Gynecologic and Obstetric Pathology, 4th ed. (Saunders 1958); R. A. Willis, Pathology of Tumours, 2nd ed. (Butterworth 1953).

DEPARTMENT OF PHARMACOLOGY

Professor	K. I. MELVILLE, *Chairman*
Associate Professor	B. G. BENFEY
Assistant Professors	N. R. EADE B. A. KOVACS
Lecturers	L. E. FRANCIS G. E. JORON R. A. MILLAR H. E. SHISTER

The object of the course in pharmacology is to elucidate, as far as knowledge permits, the action of drugs, and thereby lay a sound foundation for drug therapy.

REQUIRED COURSES

1A. PHARMACOLOGY

The action of drugs is considered on the basis of information derived by means of experimental methods and careful clinical observation. The chemistry of the drugs studied is emphasized in order that the student may have a good foundation upon which to follow future developments of the subject intelligently.

Two lectures a week during the Autumn and Winter terms. Second year.

1B. PHARMACOLOGICAL LABORATORY

The experiments are chosen to illustrate the lecture course.

One period (three hours) a week during the Autumn and Winter terms.

CONFERENCES

During the year four conferences of 45 minutes each and limited to six students, will be arranged. These conferences will replace the regular laboratory periods at the times specified.

LECTURE-DEMONSTRATIONS

In conjunction with the Department of Medicine (Therapeutics) a series of six (6) one hour lecture-demonstrations is held in the Teaching Hospitals during the course. These are designed to present selected clinical cases illustrating practical applications of drug usage.

2. TOXICOLOGY

A course of ten lectures devoted to the problems of *acute poisoning* (occurence, symptoms, modifying factors, diagnosis and treatment), is given during the 3rd term of the Second year. *Dr. G. E. Joron*

Textbooks: Applied Pharmacology (Clark), 9th ed., by Andrew Wilson and H. O. Schild (Churchill 1959); J. H. Gaddum, Pharmacology, 5th ed. (Oxford Univ. Press 1959); V. A. Drill, Pharmacology in Medicine, 2nd ed. (McGraw-Hill 1958); L. S. Goodman and A. Z. Gilman, Pharmacological Basis of Therapeutics, 2nd ed. (Macmillan 1955); J. C. Krantz and C. J. Carr, Pharmacologic Principles of Medical Practice, 4th ed. (Williams and Wilkins 1958); J. J. Lewis, An Introduction to Pharmacology (Livingstone, 1960).

ELECTIVES

Suitably prepared students may undertake special research or training projects under direction of a staff member at any time, by application to the Chairman of the Department.

Advanced courses leading to the degrees of M.Sc. or Ph.D. will be arranged to suit individual cases. See Announcement of the Faculty of Graduate Studies.

DEPARTMENT OF PHYSIOLOGY

Joseph Morley Drake Professor F. C. MACINTOSH, *Chairman*

Professors
A. S. V. BURGEN
B. D. BURNS

Associate Professor
KATHLEEN G. TERROUX

Assistant Professors
R. I. BIRKS
J. Q. BLISS
SIMON DWORKIN
BERNICE GRAFSTEIN
E. J. REININGER
PAUL SEKELJ

Lecturers
CARL PINSKY
C. M. MCBRIDE
O. M. SOLANDT

Sessional Lecturer
HYMAN WEINER

REQUIRED COURSES

FIRST YEAR

BIOCHEMISTRY—PHYSIOLOGY 1.

Monday to Friday, at 9 a.m.

BIOCHEMISTRY—PHYSIOLOGY 1D.

Demonstrations and tutorials: one hour a week.

BIOCHEMISTRY—PHYSIOLOGY 1L.

Laboratory: six hours a week.

This is an integrated course of lectures, tutorials, demonstrations and laboratory work, given by the two departments.

INTRODUCTION TO MEDICINE

One hour a week, from October. A presentation of selected clinical material, from the standpoint of the basic medical sciences. The sessions are conducted in turn by the Departments of Anatomy, Biochemistry, and Physiology.

SECOND YEAR

2. ANATOMY AND PHYSIOLOGY OF THE CENTRAL NERVOUS SYSTEM

Two hours lecture, two hours laboratory, and one hour demonstration a week, during the second term.

This is one course, given by the Departments of Anatomy, Neurology and Neurosurgery, and Physiology.

ELECTIVE COURSES

1E. SELECTED TOPICS IN PHYSIOLOGY

These are discussed from the point of view of current research in the Department.

2 hours a week.

3E. RESEARCH IN BIOCHEMISTRY AND PHYSIOLOGY

A limited number of students may take Biochemistry or Physiology as elective subject in their Third year. These students will be given the opportunity of participating in departmental research projects.

DEPARTMENT OF PSYCHIATRY

Professors

D. E. CAMERON, *Chairman*
R. A. CLEGHORN
A. E. MOLL

Associate Professors

T. E. DANCEY
V. A. KRAL
H. LEHMANN
A. W. MACLEOD
R. B. MALMO
M. SAFFRAN
T. L. SOURKES
TAYLOR STATTEN
E. D. WITTKOWER

Assistant Professors

S. Albert
J. Aufreiter
H. Azima
M. Birmingham
C. Bos
H. Caplan
B. M. Cormier
J. F. Davis
P. Edgell
H. F. Ellenberger
N. B. Epstein
R. C. M. Hamilton
L. G. Hisey
H. B. Murphy
M. S. Rabinovitch
C. A. Roberts

Lecturers

G. Aufreiter
F. Azima
S. Barza
J. Beaubien
C. H. Cahn
H. B. Durost
B. Grad
Brian Hunt
R. C. A. Hunter
W. G. Krauser
H. Kravitz
D. Levin
L. Levy
Alan Mann
L. Mergler
D. Pivnicki
R. H. Prince
G. J. Sarwer-Foner
C. H. Skitch
C. C. Smith
J. C. Stanley
W. Straker
G. C. Taylor
S. Wilner

Sessional Lecturers M. Prados and B. Silverman

Demonstrators

W. S. Agras
Thomas Ban
R. L. De Verteuil
K. Ferguson
H. Grauer
G. Hanrahan
J. L. Lapointe
E. Lester
E. Levinson
E. Libman
Z. J. Lipowski
F. W. Lundell
J. Mackay
A. F. Meszaros
H. F. Muller
J. Naiman
G. O. Patton
P. D. Roper
A. Russell
J. Sangowicz
R. M. Smith
L. Solyom
W. J. Stauble
B. Wainrib
D. Webster

REQUIRED COURSES

FIRST YEAR

GROWTH, DEVELOPMENT AND HUMAN RELATIONSHIPS: A total of 16 hours, the first two being introductory lectures in psychobiology. The remaining

hours of the course will include technique of child examination, diagnosis of child psychiatric states, child psychiatric problems as seen in various treatment facilities, including paediatrics out-patient clinic.

Professors Cameron, Statten, Ross (Paediatrics) and Staffs

SECOND YEAR

Two courses of lectures: (a) 12 1-hour lectures on psychopathology; (b) 12 2-hour sessions on psychiatric case studies, with case presentation.

Professors Roberts, Lehman and Staff

THIRD YEAR

Six weeks block teaching, distributed among six teaching centres, to acquaint students with the examination of patients and understanding of some of the major factors involved in abnormal behaviour. Diagnostic procedures, psychotherapeutic and physical methods of treatment, will be among the aspects covered. During this year students will be provided with tutors on a group basis and will also have more specialized training in the areas of child psychiatry, community psychiatry and mental disorders.

Professors Cameron, Moll, Dancey, Roberts, Statten, Silverman and Staffs

FOURTH YEAR

The teaching in this year will be largely focused on clerkship. Students will attend tutorials, ward rounds, seminars, conferences, etc., at the Allan Memorial Institute, Montreal General Hospital and Queen Mary Veterans Hospital.

Professors Cameron, Moll, Dancey and Staffs

DEPARTMENT OF RADIOLOGY

Professor	CARLETON B. PEIRCE, *Chairman*
Associate Professors	J. J. L. BOUCHARD
	D. L. MCRAE
	D. J. SIENIEWICZ
Assistant Professors	E. F. CRUTCHLOW
	J. S. DUNBAR
	R. G. FRASER
Assistant Professor of Physics	L. G. STEPHENS-NEWSHAM
Lecturers	N. M. BROWN
	R. M. CUNNINGHAM
	F. A. GRAINGER
	B. B. HALE
	M. N. LOUGHEED
	T. F. B. PHILIPS

Demonstrators D. BERGER
J. A. HAZEL
J. A. LIVER
F. R. MACDONALD
D. W. MACEWAN
F. MCCONNELL
G. B. SKINNER

Demonstrator (Physics) R. A. BEIQUE

FIRST YEAR

In co-operation with the Department of Anatomy, illustrative demonstrations for the course in "Living Anatomy" are available on the roentgenologic anatomy of the skeletal, respiratory, gastro-intestinal, and urogenital systems, especially in regard to functional anatomy of joints, the thoracic viscera, and the alimentary tract.

Professor Peirce and Staff

SECOND YEAR

INTRODUCTION TO RADIOLOGY

A course of twelve lectures is designed to (a) familiarize the medical student with the principles of radiation physics and radiation biology; (b) introduce the student to the basic principles of diagnosis and therapy by means of ionizing radiations; and (c) demonstrate the uses and limitations of radiological methods of examination and treatment in medicine. The physical characteristics of ionizing radiations (x-rays, alpha, beta and gamma radiations of the natural and manufactured radioactive isotopes) and their biological effects on tissues are discussed and demonstrated. This is followed by consideration and demonstration of the application of these features to the investigation of the structure and function of the various organic systems and supporting structures of the body in medical examination and diagnosis. Similarly these features are considered as agents in the treatment of neoplasia and other functional abnormalities in disease. Illustrative material is used extensively.

Professor McRae

During his study of physical diagnostic methods the student's introduction to the uses of radiologic methods will be amplified by observation of fluoroscopic examinations of the cardio-respiratory and gastro-intestinal tracts and through demonstrations of other roentgenologic studies.

Professors Peirce and Sieniewicz and Staff

THIRD YEAR

(a) Clinical applications of the diagnostic and therapeutic uses of ionizing radiations are discussed and demonstrated to the several clinical groups of students attending both Medicine and Surgery for periods of at least one and one-half hours per week in each of the major teaching hospitals.

The case material is so arranged that during the four such eight-week periods in the Third and Fourth years a wide field of systemic or organic diseases is covered in regard to diagnosis and the general principles of therapeutic application demonstrated, including some acquaintance with the uses of radioactive isotopes, both diagnostically and therapeutically.

Professors Peirce, Bouchard and Sieniewicz and Staff

(b) *Elective:* Third year students who choose Radiology as their *elective* field are assigned a tutor under whose guidance they are able to devote as much of their time and energy as possible to the study of radiologic investigation or treatment of disease. Each is required to select some special topic for investigation and the preparation of an essay on the subject which he presents formally before the staff of the Department in the respective hospital.

Professors Peirce, Bouchard and Sieniewicz and Staff

FOURTH YEAR

Clinical applications of the diagnostic and therapeutic uses of ionizing radiations are continued as in the Third year in weekly periods of at least 1½ hours each while attending Medicine and Surgery in the general teaching hospitals, and in addition each group attending Paediatrics has at least an hour per week on radiologic manifestations of disease in infancy and chilhood.

Professors Peirce, Bouchard and Sieniewicz,
Assistant Professor Dunbar and Staff

Text and Reference Books: A. E. Barclay, The Digestive Tract, 2nd ed. (Camb. Univ. Pr. 1936); J. P. Caffey, Pediatric X-ray Diagnosis, 3rd ed. (Year Bk. Pubs. 1956); Otto Glasser, et al., Physical Foundations of Radiology, 2nd ed. (Harper 1952); Ross Golden, et al., Diagnostic Roentgenology, 3 vols. (Nelson 1936-41); F. J. Hodges, et al., Radiology for Medical Students, 3rd ed. (Year Bk. Pubs. 1958); G. W. Holmes, and L. L. Robbins, Roentgen Interpretation, 8th ed. (Lea and Febiger 1955); Alban Kohler, Roentgenology, 2nd ed. (Bailliere 1935); Isadore Meschan, An Atlas of Normal Radiographic Anatomy, 2nd ed. (Saunders 1959); Isadore Meschan, Roentgen Signs in Clinical Diagnosis (Saunders 1956); E. P. Pendergrass, J. P. Schaeffer and P. J. Hodes, Head and Neck in Roentgen Diagnosis, 2nd ed., 2 vols. (Thomas 1956); E. A. Pohle, Theoretical Principles of Roentgen Therapy (Lea and Febiger 1938); LeRoy Sante ,Principles of Roentgenological Interpretation, 11th ed. (St. Louis Bk. Distrib. Co. 1958); S. C. Shanks and P. J. Kerley, Textbook of X-ray Diagnosis, 3rd ed., 4 vols. (Saunders 1957-60); M. B. Wesson, Urologic Roentgenology, 3rd ed. (Lea and Febiger 1950); W. H. Beierwaltes, P. C. Johnson and A. J. Solari, Clinical Use of Radioisotopes (Saunders, 1957); Joseph Selman, The Fundamentals of X-Ray and Radium Physics, 2nd ed. (Thomas 1958); Friedrich Ellinger, Medical Radiation Biology, (Thomas 1957).

POSTGRADUATE INSTRUCTION

DIPLOMA IN RADIOLOGY

Details of the Postgraduate course leading to the Diploma in Radiology of the Faculty of Medicine may be obtained from the Dean's Office or the Chairman of the Department.

Postgraduate training prerequisite to certification in the specialty by College of Physicians and Surgeons, Province of Quebec, the Royal College of Physicians and Surgeons (Canada) or the American Board of Radiology is available in the teaching hospitals in conjunction with the Diploma Course for selected graduates of approved Faculties or Schools of Medicine.

DEPARTMENT OF SURGERY

Professors

H. R. Robertson, *Chairman*
D. R. Webster

Associate Professors

F. N. Gurd
J. C. Luke
J. R. McCorriston
C. A. MacIntosh
J. S. Martin
H. S. Morton
H. F. Moseley
D. R. Murphy
A. M. Vineberg
F. M. Woolhouse

Assistant Professors

H. A. Baxter
S. G. Baxter
W. M. Couper
C. M. Gardner
J. W. Gerrie
G. A. Holland
E. A. MacNaughton
J. D. Palmer
H. F. Owen
S. C. Skoryna (*Experimental Surgery*)

Lecturers

J. C. Dickison
J. A. Drummond
M. A. Entin
J. F. Hopkirk
R. N. Lawson
G. D. Little
R. C. Long
D. D. Munro
J. C. Sutton
E. J. Tabah

Demonstrators

A. R. Bazin
H. E. Beardmore
N. J. Belliveau
A. R. C. Dobell
R. L. Estrada
L. G. Hampson
A. F. Jones
D. T. Lin
J. R. Moore
D. W. Ruddick
H. J. Scott
I. Shragovitch
J. L. Shugar
A. G. Thompson
E. W. Workman

ORTHOPAEDIC SURGERY

Associate Professors	J. G. Petrie
	J. G. Shannon
Lecturers	A. A. Butler
	R. G. Townsend
	J. A. L. Walker
Demonstrators	I. S. Bitenc
	J. M. McIntyre
	E. C. Percy
	C. Laird Wilson

UROLOGY

Associate Professors	K. J. MacKinnon
	R. G. Reid
Lecturers	S. A. MacDonald
	J. T. MacLean
Demonstrators	N. Halpern
	W. F. Lingard
	C. A. Moore
	T. Nearing
	J. Susset

REQUIRED COURSES

SECOND YEAR

Surgical teaching begins in the Spring term (12 weeks) of the Second year. In this year special attention is directed to the instruction and training of the student in proper methods of physical examination from the surgical point of view.

2A. A COURSE OF LECTURES (12) is given covering the basic principles of Surgery.

2B. GROUP CLASSES in the wards of the Montreal General and Royal Victoria and Queen Mary Veterans Hospitals. At these, small groups of students are instructed in methods of examination as applied to surgery and its allied specialties.

THIRD YEAR

The student comes into a more intimate contact with the patients, and in the surgical term of eight weeks is assigned cases, writes case reports, acts as dresser, and assists at operations. His clinical work is confined to one hospital—either the Montreal General Hospital or the Royal Victoria Hospital.

3A. LECTURES IN SURGERY in the Montreal General and Royal Victoria Hospitals, one day a week throughout the year.

3B. GROUP WARD CLASSES in the Montreal General and the Royal Victoria Hospitals, five times a week during the term.

3C. CASE REPORTING. Patients are allotted to students who act as reporters, dressers, and assistants at operations.

FOURTH YEAR

In the Final year the student spends eight weeks attached to the surgical service of a hospital. Students taking their surgical instruction at the Montreal General Hospital are required to live in for a period of four weeks during their term in general surgery. Those taking instruction at the Royal Victoria Hospital are required to live in for two weeks (one week while in anaesthesia and one week urology).

SURGICAL DISEASES OF CHILDREN

Some instruction in the surgical diseases of children is given during the trimester in which the students are assigned to paediatrics at the Montreal Children's Hospital as follows:

4A. GROUP WARD CLASSES three times a week throughout the trimester.

In their Final year students attend either the Shriners Hospital or the Montreal Children's Hospital for further instruction in paediatric surgery.

ORTHOPAEDIC SURGERY

Some lectures covering the basic principles of orthopaedic surgery are given in the Second and Third years and members of the Orthopaedic Staffs of the Montreal General Hospital and Royal Victoria Hospital participate in the Second and Third year bedside clinics.

In the Final year seminars are conducted by members of the Orthopaedic Staff.

UROLOGY

In the Final year students are assigned to the Urological Services of the Montreal General Hospital and Royal Victoria Hospital for one week and, in addition to this, ward classes are held three times a week in each hospital.

Textbooks:

General Surgery: Ian Aird, Companion in Surgical Studies, 2nd ed. reprint 1958 (Livingstone 1958); Hamilton Bailey, Demonstration of Physical Signs in Clinical Surgery, 13th ed., (Bristol, John Wright and Sons 1960), Christopher's Minor Surgery, ed. by Alton Ochsner and M. E. DeBakey, 8th ed. (Saunders 1959); Frederick Christopher, Textbook of Surgery, 7th ed. (Saunders 1960); W. H. Cole and Robt. Elman, Textbook of Surgery, 7th ed. (Appleton 1959); H. F. Moseley, Textbook of Surgery, 3rd ed. (Mosby 1959).

Surgical Anatomy: A. Lee McGregor, Synopsis of Surgical Anatomy, 8th ed. (Williams and Wilkins 1957).

Fractions and Dislocations: R. Watson Jones, Fractures and Joint Injuries, 4th ed., 2 vols. (Livingstone 1952-1955), reprint 1960.

Urology: M. F. Campbell, Urology, 3 vols. (Saunders 1957); F. H. Colby, Essential Urology, 3rd ed. (Williams and Wilkins 1956); D. N. Eisendrath and H. C. Rolnick, Urology, 4th ed. (Lippincott 1938); R. Nesbit, Fundamentals of Urology, 4th ed. (Reed Miller Co. 1953).

Orthopaedic Surgery: W. C. Campbell, Operative Orthopaedics, 3rd ed., 2 vols. (Mosby 1956); Walter Mercer, Orthopaedic Surgery, 5th ed. (Arnold 1959).

GRADUATE INSTRUCTION

1. Any medical graduate of McGill University who so desires may attend any of the regular undergraduate clinics. This opportunity frequently appeals to many of our graduates, who find in this plan a means of bringing their knowledge of medicine up to date.

2. Special graduate work is offered in every department, both in the laboratories and in the clinics. Applications in writing, addressed to the chairman of the department concerned, must state the qualifications and experience of the applicant and the nature of the work he desires to do, The minimum fee is $30.00 a term (10 weeks).

A Diploma in Tropical Medicine and Hygiene is granted by McGil University.

This course is conducted by the Department of Health and Social Medicine, with the collaboration of other departments in the Faculty of Medicine and the assistance of members of other faculties in the University who have a special interest in this field.

The Department of Health and Social Medicine is housed in quarters at 515 Pine Avenue West, within easy access of the Medical Building. The building contains ample accommodation for lectures, seminars, and demonstrations. In addition to the excellent facilities of the Library of the Faculty of Medicine, which are at the disposal of students, the Department has its own library and reading-room. The building is also the headquarters of the Student Health Service.

DIPLOMA IN TROPICAL MEDICINE AND HYGIENE (D.T.M. & H.)

The course of instruction occupies a full academic year. Classes for the first term include bacteriology and immunology, epidemiology, environmental hygiene, industrial hygiene, and public health organization and

administration, vital statistics, biometrics, maternal, infant, pre-school and school hygienes, etc. Those for the second term are held at the Institute of Parasitology at Macdonald College of McGill University. The teaching collection at the Institute is a large and representative one.

The work is practical as well as theoretical, and includes a study of Parasitology and Medical Entomology, laboratory diagnoses of tropical and sub-tropical diseases, and lectures on the diseases of the tropics, on tropical hygiene, and minor sanitation.

Clinical instruction must, of necessity, be limited in temperate climates. This aspect is, therefore, deferred to the final part of the course which is given in the tropics at the conclusion of the didactic instruction. The course consists of clinical and field work for which arrangements have been made with Georgetown, British Guiana, Port of Spain, Trinidad, and Venezuela.

Candidates for the Diploma in Tropical Medicine and Hygiene must be graduates in medicine of a recognized university. Certain additional courses may be required of those who are not recent graduates or of those who have not had sufficient clinical practice.

The Fee for the Diploma in Tropical Medicine and Hygiene is $250, or $100 if preceded by a D.P.H. course or its equivalent.

Application must be made prior to June 1st.

BUILDINGS—

THE MEDICAL BUILDING

This building contains the Offices of Administration, the Medical Library (with its 90,000 volumes, its Reading Rooms, and their complete set of technical journals), the Department of Anatomy, and the Museum of Anatomy. The Faculty of Dentistry is also in this Building.

The Department of Anatomy, with its commodious laboratories, its dissecting room, with 50 tables, and its very unusual abundance of material, affords unequalled facilities for students. Moreover, graduates who desire opportunities for research are adequately cared for in this Department. The laboratories for Histology and Embryology have excellent facilities with space for 120 students, and smaller rooms for research.

THE BIOLOGICAL BUILDING

Completed in 1922, this building was erected on the site of the original Medical Building, which was partly destroyed by fire in 1907. The

extensive structure—184 feet by 60 feet—houses on each of its floors laboratories devoted respectively to Botany, Zoology, Genetics, Biochemistry, Physiology, and Pharmacology.

Each of these departments is provided with laboratories and units for undergraduate teaching and graduate research.

THE PATHOLOGICAL INSTITUTE

This building, which was opened for use in October, 1924, and which is connected with the Royal Victoria Hospital and the Montreal Neurological Institute by tunnels, is situated on the northeast corner of University Street and Pine Avenue, adjacent to the Medical Building. It provides accommodation for the departments of Pathology and Bacteriology and includes a Pathological Museum and museum workshops. It combines under one roof quarters for teaching and research in these departments, and it provides ample facilities and equipment for instruction of students, and the research work of the Staff.

THE MONTREAL NEUROLOGICAL INSTITUTE

This eight-storey building, which is situated on University ground adjacent to the Pathological Institute and the Royal Victoria Hospital, was opened in 1934. Unsurpassed in its equipment and facilities for research, as well as the medical and surgical treatment of disorders of the nervous system, it houses the University Department of Neurology and Neurosurgery, which conducts both undergraduate and graduate teaching in the Faculty of Medicine. In addition to wards, operating rooms, and laboratories for treatment and study of diseases of the nervous system, the building provides facilities for graduate study and research in the related fields of basic science.

THE ALLAN MEMORIAL INSTITUTE

In 1943 a large building and site were donated as a basis for the development of an Institute of Psychiatry. The building was reconstructed to permit of the establishment of a fifty bed unit, together with extensive research laboratories, and was officially opened July 12th, 1944. Since that time, both undergraduate and postgraduate teaching have been carried on.

THE DONNER BUILDING

The Donner Building for Medical Research, adjacent to the Medical Building, was completed in September 1948. Its erection was made possible through the generosity of William H. Donner of Philadelphia, the late founder of the International Cancer Research Foundation, who provided the funds necessary for the construction of a building entirely devoted to medical research.

This building houses the Maxwell Lauterman Laboratories for Experimental Surgery and laboratories for Dentistry and Experimental Psychology.

HOSPITALS

Few medical schools on this continent offer better facilities than those enjoyed by the students of McGill University. Ideal academic and topographical conditions exist for the teaching of scientific and practical medicine.

The Medical Faculty is on the University Campus, and is thus in juxtaposition to the scientific laboratories of the University and to the largest teaching hospital in the city. Co-operation with the scientific and cultural departments of the University, as well as with clinical facilities, is thereby made easy.

The following hospitals and institutions are at the disposal of the teaching staff and students for clinical and pathological study:

Royal Victoria Hospital
Montreal General Hospital
Montreal Children's Hospital
Alexandra Hospital for Infectious Diseases
Verdun Protestant Hospital
Royal Edward Laurentian Hospital
Royal Victoria Montreal Maternity Hospital

The staffs of these institutions are appointed with the co-operation of McGill University and, for the most part, are teachers in the Medical Faculty. These affiliated hospitals contain over 3,000 beds.

The Royal Victoria Hospital, in juxtaposition to the University buildings, comprises the following units under one administration:

1. The Royal Victoria Hospital proper, or the Main Building;
2. The Ross Memorial Pavilion for private patients;
3. The Women's Pavilion—Royal Victoria Montreal Maternity;
4. The Allan Memorial Institute.

The total bed complement is 919, with 96 bassinets. Admissions total approximately 20,000 and confinements are in excess of 3,000 a year. There are some 80,000 visits annually to the Out-Patient Department. The University Clinic was established in 1924 and has facilities for both clinical laboratory work and research.

Post-mortems total 55 per cent of the deaths.

The number of resident physicians is 106.

The Royal Victoria - Montreal Maternity Pavilion, with 214 beds for obstetrical and gynaecological cases. In this institution there are 117 teaching beds and an organized out-patient service which is of the greatest benefit to the undergraduate student. In a typical year, the obstetrical service cared for over 3,000 confinements in the Hospital. In the gynaecological section, over 2,000 cases are admitted during the year.

There are ten resident physicians.

The Montreal General Hospital is a general hospital of 750 beds for the treatment of acute diseases. In a typical year, there were approximately 18,000 admissions, while out-patient consultations for the same period approximated 150,000. The resident and interne staff numbers 150.

The "Montreal General" was founded in 1821; two smaller buildings downtown had preceded it in 1816 and 1819. In actual age, therefore, it is not by any means the oldest hospital in Canada, but its record in clinical teaching is one of the longest on the North American continent.

As soon as the Hospital opened, its staff began to arrange for students and, in 1823, they opened the first Medical School in Canada, the Montreal Medical Institution, with 25 students. Their teaching was carried on partly at the Hospital.

It was this School which agreed to form the Medical Faculty of McGill University in 1828. The University at that time had practically no students of any kind, and as it was required by the terms of the McGill bequest that teaching should begin before 1829, on penalty of losing the estate, The Montreal Medical Institution, with its ready-made course came as a salvation. That was the beginning of the long and intimate association between the Hospital and the University.

The present building on Cedar Avenue was occupied in 1955.

The Montreal Children's Hospital has 291 public beds, and, in a typical year, admitted 6,000 patients. The attendance at its out-door department totalled over 60,000 visits. This hospital admits all classes of cases of disease in children except pulmonary tuberculosis and the communicable diseases, and enables students to get a broad concept of paediatrics.

There were 111 autopsies in a typical year, which represented 84.6% of all deaths.

The number of resident physicians is 40.

The Alexandra Hospital for Infectious Diseases, opened in 1906, with modern wards, cubicles, and equipment, is regularly attended by students, who receive demonstrations on the essential features of the exanthemata.

There are three wards for the treatment of tuberculosis in children. There are 150 beds (including 50 for tuberculosis) and the average yearly admissions range between 1,500 and 2,000.

There is a resident senior physician and there are three junior physicians.

The Verdun Protestant Hospital has 1,100 beds.

The Royal Edward Laurentian Hospital (Montreal Division), 3674 St. Urbain Street, consists of a large anti-tuberculosis dispensary and a 151-bed hospital unit designed and equipped for thoracic surgery. Its objectives are the study, prevention, and cure of tuberculosis. This Hospital, along with its Laurentian Division (located in Ste. Agathe des Monts) offers students excellent opportunities to obtain instruction in all aspects of chronic pulmonary disease, more particularly pulmonary tuberculosis.

THE MEDICAL LIBRARY

Honorary Librarian — LLOYD G. STEVENSON
Medical Librarian — GRACE HAMLYN

The Library, now of nearly 90,000 bound volumes, originally occupied the central front section of the medical building but has expanded its stack area to the north side on the two lower floors.

The Reading Room with accommodation for seventy-five people is on the fourth floor with a small periodical room adjacent. The third floor contains the stacks for bound journals and has three study rooms for use of members of the teaching staff. The second floor is devoted to administration and technical operations.

The chief value of the Library is in its periodical collection. About 1,800 journals are received currently. Journal literature in almost all languages is well represented. The book collection is especially noteworthy in the ophthalmological section due in large measure to many gifts from the late Dr. Casey A. Wood.

The Library is for members of the teaching staff and students of the Faculty of the whole University, and for research workers and doctors in the city. An extensive interlibrary loan service throughout the country is maintained. Books and journals are sent to doctors who are not near a library on payment of postage charges.

The Library is open during the academic session from Monday to Friday, 9 a.m. to 10 p.m.; Saturday 9 a.m. to 5 p.m. After June 15th the hours are 9 a.m. to 5 p.m. Monday to Friday, closed Saturday.

There are also small collections of books and journals located in several of the Departments of the Faculty.

THE OSLER LIBRARY

This special library of the history of medicine and science, collected by Sir William Osler with a view to its educational value, was bequeathed by him to his Alma Mater. The Osler Library, which comprises nearly 12,500 volumes, occupies a large room, beautifully equipped, on the fourth floor, convenient to the Medical Library. The collection is rich in early editions of the older literature, as well as in modern historical works, and its importance and usefulness are much enhanced by the donor's annotated catalogue. Planned and prepared by Osler along very unusual lines, the catalogue was completed, indexed, and printed after his death (Bibliotheca Osleriana, Clarendon Press, Oxford, 1929, xxxvi, 785 pp.).

The books are classified in eight sections, of which the first, the "Bibliotheca Prima," presents a bibliographical outline of the evolution of science (including medicine), and was planned to contain the essential literature arranged chronologically under the names of the greatest contributors to the advancement of knowledge. Another feature of the Library is its Incunabula, a valuable collection of 150 books printed in the fifteenth century. Recently the Wellcome Trust has given generous annual grants for the purchase of expensive books to fill gaps in the Osler collection.

The Osler Library is open daily, except Sunday, for the use of undergraduates and all who are interested. The Librarian will be glad to give advice or informal instruction to students. Accommodation is provided for readers. The books belonging to the original collection may not be borrowed or removed from the Library, but this restriction does not apply to the current works on the history and biography of medicine and science which are constantly being added.

MEDICAL SOCIETIES

McGILL UNDERGRADUATE MEDICAL SOCIETY

The Society is composed of the registered students of the faculty. Its purpose is:

(1) To transact all matters of business connected with the undergraduate body;

(2) To stimulate interest along medical lines;

(3) To assist students to express themselves in public with facility;

(4) To provide an enjoyable social evening, at the same time developing a strong spirit of faculty loyalty.

(5) To organize, during the course of the school year certain outside activities such as the annual Medical Banquet and Ball.

Monthly meetings are held at which addresses are given by prominent professional men, medical and otherwise. Case reports are also read and discussed by the members themselves.

The annual meeting is the last meeting in the spring, when the following officers are installed: Hon. President (elected from the Faculty), President, Vice-President, Secretary, Assistant Secretary, Treasurer, Reporter, and three Councillors (of whom two are chosen from the Faculty). These officers are elected by ballot one week before the annual meeting.

The society also maintains the Students' Reading Room. English and American journals, as well as the leading daily newspapers are kept on file.

ALPHA OMEGA ALPHA HONORARY MEDICAL SOCIETY

This Society, which has Chapters in the various Medical Colleges of Canada and the United States, established a subsidiary branch at McGill University in 1912.

There are honorary, graduate, and undergraduate members. Honorary members are selected from such teachers as are more particularly interested in the advancement of scientific medicine. Undergraduate members are selected from those students who, during their earlier academic career, have shown promise of development and have attained honour rank. They are eligible for election in the Third and Fourth years.

Meetings are held every month throughout the session, and papers are read by honorary and active members, as well as by graduates. Once during the year an open meeting is addressed by a visitor who is prominent in the medical world.

OSLER SOCIETY

The Osler Society was founded in the Spring of 1921 by a number of undergraduates in Medicine, its object being to perpetuate the memory and teachings of Sir William Osler by the reading of papers and discussion of topics reflecting his ideals of a liberal medical education. Thus those interested may supplement their clinical and scientific knowledge by the consideration of those topics of medicine which are of historical and literary significance.

The membership includes men from each class in the faculty. Several professors have shown an active interest in the Society and have added a more mature note to the discussion. Each year an Honorary President has been elected from this older group.

McGill University

Montreal

Faculty of Dentistry

1961-1962

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
Institute of Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture and School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

Faculty of Dentistry

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U, D.C.L., LL.D., F.R.S.C. — *Principal*

David L. Thomson, Ph.D., LL.D., F.C.I.C., F.R.S.C. — *Vice-Principal*

James McCutcheon, D.D.S., M.S.D., F.A.C.D., F.I.C.D. — *Dean*

Mervyn A. Rogers, D.D.S. — *Associate Director of Clinical Facilities*

John H. Holton, B.Com. — *Secretary of the Board of Governors*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

G. A. Grimson, B.Com. — *Comptroller*

A complete list of the teaching staff of the University, including the Faculty of Dentistry, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

REQUIREMENTS FOR ENTRANCE

The minimum requirement for admission to the dental course is the satisfactory completion of two full years of study in a recognized College or Faculty of Arts and Science (or the equivalent thereof), including courses in the following subjects: English and Mathematics, one year of each; Physics, one year with laboratory work; Biology, one year of General Biology or Zoology with laboratory work (half year of Botany and half year of Zoology will be accepted, but not one year of Botany alone); Chemistry, two full courses, including one full course of Organic Chemistry with laboratory work.

Courses meeting these requirements are offered in the Faculty of Arts and Science of McGill University, where a student may take the two years of study required, or the second of the two if he has satisfied the requirements of the first year by Senior Matriculation, or otherwise.

On the successful completion of the Second year of the Dental course, students who have entered this Faculty from the Third year of the Faculty of Arts and Science of McGill University are eligible to apply for their B.A. or B.Sc. degree. Application should be made, in writing. to the Dean of the Faculty of Arts and Science.

Eligible students are advised to include Biochemistry 31 as a part of their pre-dental program.

Particulars of the examinations leading to Junior and Senior Matriculation status are given in the School Certificate Examinations Announcement.

Applicants who have met the academic requirements are required to take an aptitude test upon their admission to the study of Dentistry.

Residents of the United States should take the "American Dental Association Aptitude Test" and have the results of the test sent to the Faculty of Dentistry.

Application for admission to the Faculty of Dentistry must be made upon the regular application form which may be obtained from the Secretary of the Faculty. As the number of students in each class is limited, application should be made early and in any case not later than *March first*. Each application must be accompanied by a non-returnable fee of $5.00 in the form of a cheque or money order payable to McGill University.

A reservation fee of $50.00 is payable by the applicant within ten days of the receipt of notice that he has been accepted for admission. This fee will be credited towards the applicant's University fees, but will not be returned if he fails to register at the opening of the session.

PROFESSIONAL PRACTICE

PROVINCIAL REGISTRATION

Applicants are reminded that a University degree in Dentistry does not in itself confer the right to practise the profession of Dentistry. It is necessary to comply with the dental laws of the country, state, or province in which it is proposed to begin practice. Each province in Canada at present has special requirements for its licence, and in all of them a certain standard of general education is demanded before the study of Dentistry may be undertaken. *Students who intend practising in Canada are advised to register their qualifications in the province in which they intend to practise, before they begin their university course.*

Province of Quebec

In the case of those who intend to practise in the Province of Quebec it is essential that the candidate should:

(a) take at least the second of the above two years in a University recognized by McGill University, thus qualifying for eligibility to register with the College of Dental Surgeons of the Province of Quebec.

(b) obtain from the College of Dental Surgeons of the Province of Quebec a Qualifying Certificate before proceeding with the dental course.

Further information may be obtained from the Registrar of the College of Dental Surgeons of the Province of Quebec, 2285 Papineau Avenue, Montreal, Quebec.

Candidates who have successfully completed the regular course as given in the Faculty of Dentistry, McGill University, may be granted the licence without further examinations upon payment of the required fee, provided they are registered with the College of Dental Surgeons of the Province of Quebec.

Other Provinces

The following is a list of the Registrars of the Dental Boards of the several Canadian provinces. Students are advised to write for information whenever they are in doubt as to the regulations of any province.

Alberta—Dr. R. A. Rooney, 720 Tegler Bldg., Edmonton.

British Columbia—Dr. E. E. Martin, 217 Medical-Dental Bldg., Vancouver.

Manitoba—Dr. J. Orwell Brown, 416 Medical Arts Bldg., Winnipeg.

New Brunswick—Dr. E. D. Halford, 459 DeMont Street, Lancaster.

Newfoundland—Dr. G. P. French, 350 Water Street, St. John's.

Nova Scotia—Dr. G. M. Dewis, 269 Gottingen Street, Halifax.

Ontario—Dr. Wesley G. Dunn, 230 St. George Street, Toronto.

Prince Edward Island—Dr. Heath McIntyre, 140 Richmond Street, Charlottetown.

Quebec—Dr. Robert Leblanc, 2285 Papineau Avenue, Montreal.

Saskatchewan—Dr. F. R. Smith, 606 Canada Bldg., Saskatoon.

NATIONAL DENTAL EXAMINING BOARD OF CANADA

The National Dental Examining Board of Canada issues a certificate to successful candidates which may be registered with the Canadian Provincial Licensing Boards for the purpose of securing a licence to practise. The Province of Quebec does not recognize the certificate issued by the National Dental Examining Board of Canada.

Candidates must possess the following qualifications:

(a) have proof of matriculation as established by the Council on Dental Education of the Canadian Dental Association before beginning the study of dentistry.

(b) have taken a minimum of two complete academic years, equivalent to two years liberal Arts and Science at a recognized university.

(c) have successfully completed four academic years of professional education in a dental school approved by the Council on Dental Education of the Canadian Dental Association.

(d) hold a degree in dentistry from a school of dentistry approved by the Council on Dental Education of the Canadian Dental Association at the time of graduation.

(e) hold an Enabling Certificate from a Canadian dental licensing body. Detailed information may be obtained from — Dr. H. N. Beach, Secretary, National Dental Examining Board of Canada, 150 Metcalfe Street, Ottawa, Ontario.

NATIONAL DENTAL EXAMINING BOARD OF THE U.S.

Students intending to practice in the United States are advised to contact the Secretary, Council of the National Board of Dental Examiners, American Dental Association, 222 East Superior Street, Chicago 11, Illinois. Information should also be obtained from the Secretary of the licensing board of the specific state in which the student intends to practise.

REGISTRATION

Students in Dentistry register at the Registrar's Office on Friday, September 1st or Tuesday, September 5th. Any student registering after the specified date will be required to pay a late fee. No students will be admitted after September 20th.

FEES

The University reserves the right to make changes without notice in its published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions as described in the General Information Pamphlet.

TUITION FEES

Annual undergraduate fee	$500.00
(including Students' Society and Dental Review fees)	
By Instalments: Each of two instalments	252.50

REPEATING A YEAR

Students repeating a year pay	$500.00

EQUIPMENT AND SUPPLIES

In First year—Technic Model (rental)	$10.00
In Second year—Crown and Bridge Model	30.00
In Second year—Operative Model (rental)	10.00
In Third year—Orthodontic material	20.00
In Third and Fourth years—Dental Cabinet (rental)	5.00
In Third year—Final practical examination material	20.00
In Fourth year—Final practical examination material	30.00

AD EUNDEM FEE

Transfer students entering any year above the First pay a special *ad eundem* fee of $10.00

GENERAL REGULATIONS

Fees are due and payable at the Accounting Office between the hours of 9 a.m. and 4 p.m., on September 1st or September 5th; but they may be paid before the above dates. If paying in two instalments, the amount of the first instalment can be determined by adding fees and instalment fee, deducting deposit and dividing the result in half. An additional $2 is charged for payment after the specified dates. All late fees are payable in full with first instalment.

Students registering late pay their fees at the time of registration, failing which they become subject to the following provisions.

Immediately after the prescribed dates for the payment of fees, the Chief Accountant sends to the Dean of each Faculty a list of the registered students who have not paid their fees. The Deans thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

Note: *Special fees* are given in the General Information Pamphlet included in the Announcement.

INSTRUMENTS

With the exception of certain instruments and equipment required for the general use of all students, each student is required to furnish his own instruments and appliances for both laboratory and operating room, and is not permitted to enter the course until he is thus supplied.

The approximate cost of instruments and supplies is as follows:

First year	$500.00
Second year	600.00
Third year	300.00
Fourth year	150.00

All of these instruments and this equipment will be required for office use when the student enters practice and should be regarded as an investment for that purpose rather than a university expense.

Arrangements have been made with local dental supply houses in order that the student may benefit by a special discount.

MEDALS AND PRIZES

Lieutenant-Governor's Gold Medal.—Awarded to the student who has achieved the highest academic standing over the four years of the course.

Montreal Dental Club Gold Medal.—Awarded to the student who stands first in the science and practice of Dentistry in the final year.

College of Dental Surgeons of the Province of Quebec.—The J. K. Carver prize awarded to the student, registered in this Province, obtaining the highest standing in the practical examinations in the final year.

College of Dental Surgeons of the Province of Quebec Prize.—A prize awarded to the student, registered in this Province, who has achieved the highest academic standing over the four years of the course.

Montreal Endodontia Society.—A book prize awarded to the student in the final year obtaining the highest standing in the subject of Endodontics.

American Academy of Dental Medicine (Montreal Section) Prize.—A book prize awarded to the student in the final year obtaining the highest standing in Dental Medicine.

Canadian Society of Dentistry for Children Prize.—A prize awarded to the student in the final year obtaining the highest standing in didactic and clinical phases of Pedodontics.

Canadian Dental Association War Memorial Scholarship Award.—First prize $125.00; Second prize $75.00. To be awarded annually.

This is an essay contest open to all undergraduates of the final year who have been in attendance for at least two years at any Canadian Dental School. The essay shall consist of not more than 4,000 words and not less than 2,500 words, excluding bibliography.

Correspondence relative to this Scholarship should be addressed to The Secretary, Canadian Dental Association, 234 St. George St., Toronto 5.

Lieutenant-Governor's Silver Medal.—Awarded to the student obtaining the highest standing in the final examinations of the Third year.

Montreal Dental Club Prize—The Donigan Medal.—Awarded to the student obtaining the second highest standing in the final examinations in the Third year.

M. J. T. Dohan Prize.—Awarded to the student obtaining the highest standing in the written examination in Pedodontics in the Third year.

Dorion Prize.—A prize offered by Dr. Eugene S. Dorion to the student, in the Third year, obtaining the highest standing for an essay on Roentgenology.

Halder Study Club Prize.—Awarded to the student in the Third year obtaining the highest qualitative grade in Clinical Operative Dentistry.

International College of Dentists (Canadian Section) Scholarship.—This scholarship of $100 is awarded annually to a student who has completed the Third year and is entering the Fourth year. The award is based on scholastic record in the Third year, general character, and participation in extra-curricular activities. No application is required.

Solomon Prize.—A prize, in memory of the late Dr. Arthur S. Solomon, awarded to the student obtaining the highest standing in the final examinations in the Second year. This prize is made possible by a donation of the Mount Royal Dental Society and the Alpha Omega Fraternity.

Montreal Dental Club Prize—The Mowry Medal.—Awarded to the student obtaining the second highest standing in the final examinations in the Second year.

Dorion Prize.—A prize offered by Dr. Eugene S. Dorion to the student, in Second year, obtaining the highest standing for an essay on Roentgenology.

Dr. I. K. Lowry Prize.—A medical dictionary awarded to the student obtaining the highest standing in Gross Anatomy in the Second year.

Dr. I. K. Lowry Prize.—A medical dictionary awarded to the student obtaining the highest standing in Oral Histology and Embryology.

Mount Royal Dental Society Prize.—Awarded to the student obtaining the highest standing in the final examinations in the First year.

Montreal Dental Club Prize.—Awarded to the student obtained the second highest standing in the final examinations in the First year.

Anonymous Prize.—Awarded to the student obtaining the highest standing in the final examination in Biochemistry.

Alpha Omega Fraternity Prize.—Awarded to the student obtaining the highest standing in the final examination in Physiology.

SCHOLARSHIPS, BURSARIES, AND LOANS

Details of University and other scholarships and bursaries are given in the Scholarships Announcement which may be obtained from the Registrar's Office.

The University has a small fund from which loans may be made to students of good academic standing. Loans are made only to students in the upper years. Applications for loans should, in the first place, be made to the Dean.

The College of Dental Surgeons of the Province of Quebec has created a loan fund to assist students of the Faculty who are registered with this College.

COURSE FOR THE DEGREE OF D.D.S.

Candidates for the degree of D.D.S. must complete two years of study in a College or Faculty of Arts or Science, with English, Mathematics, Physics, Inorganic and Organic Chemistry, and Biology as compulsory subjects, before entering upon the four-year course in this Faculty. The curriculum* is as follows:

FIRST YEAR

Anatomy, Human
Anatomy, Dental
Histology, General
Physiology
Biochemistry
Dental Techniques
Orientation in Dentistry
Dental Materials

SECOND YEAR

Crown and Bridge Technique
Operative Technique
Orthodontic Technique
Prosthetic Technique
Bacteriology
Metallurgy
Pharmacology
Pathology
Dental History
Radiography
Histology, Dental
Anatomy, Human

THIRD YEAR

Crown and Bridge Prosthesis
Operative Dentistry
Orthodontics
Denture Prosthesis
Dental Radiography
Dental Pharmacology and Therapeutics
Anaesthesiology, Local and General
Oral Surgery
Oral Pathology
Health and Social Medicine
Pedodontics
Dental Jurisprudence
Periodontia
Medicine

FOURTH YEAR

Orthodontics
Denture Prosthesis
Oral Surgery
Crown and Bridge Prosthesis
Pedodontics
Endodontics
Oral Diagnosis
Periodontia and Oral Hygiene
Dental Ethics and Practice Management
Thesis
Operative Dentistry

*It should be understood that the programme and regulations regarding courses of study and examinations contained in this Announcement hold good for this session only, and that the Faculty, while fully sensible of its obligations towards the students, does not hold itself bound to adhere absolutely, for the whole four years of a student's course, to the conditions here laid down.

THESIS: Final year students must write a thesis of approximately 4,000 words. The subject will be announced early in September.

ATTENDANCE

Students who have failed to attend at least seven-eighths of the lectures, laboratory or clinical periods in any course may be refused the right to attempt the final examination in that course.

EXAMINATIONS

Frequent oral examinations are held to test the progress of the student, and occasional written examinations are given throughout the session.

A minimum of 60 per cent in each subject is required to pass, and 85 per cent for Honours.

All examinations in each year must be passed before a student is allowed to advance to the next.

Candidates who fail at the regular examinations in not more than three subjects of the First, Second, or Third years, may, at the discretion of the Faculty, be allowed to take the supplementary examinations before the beginning of the following session. These examinations are held during the week preceding the regular opening of the session.

A candidate will not be permitted to attempt supplemental examinations in more than three subjects in any of the first three years of the course.

Students in the Second year who fail to achieve a passing grade in Gross Anatomy *must* attend the Anatomy summer session in the month of August before attempting the supplemental examination in this subject. A fee will be charged for the course.

Students who fail in one subject only of the final year may, at the discretion of the Faculty, be allowed a supplementary examination in that subject.

A student who fails in a subject, in any year, in which practical or clinical work is required, must furnish evidence of additional supervised clinical attendance or laboratory work before presenting himself for examination.

Applications for supplemental examinations must be in the hands of the Dean at least three days before the date set for the beginning of the examination, and must be accompanied by a fee of $10.00 for each subject.

QUALIFICATIONS FOR THE DEGREE

1. No one is admitted to the degree of Doctor of Dental Surgery who has not attended lectures for a period of four sessions in the Dental Faculty

of this University, or partly in this University and partly in some other approved Faculty or School of Dentistry.

2. Students, of other universities so approved, who may be admitted on production of certificates to a like standing in this University, are required to pass a qualifying entrance examination and thereafter the same examinations as regular students of this University.

3. No one is permitted to become a candidate for the degree who has not attended at least one full session at this University.

4. Candidates for the final examinations must furnish testimonials of attendance in the branches of dental education mentioned on page 1910; however, testimonials equivalent to though not precisely the same as these, may be presented and accepted.

DENTAL INTERNESHIPS

The Faculty of Dentistry, through the McGill-Hospitals Interneship Committee, offers five rotating dental interneships in Montreal hospitals beginning June 15th each year. Further details may be obtained by writing the Dean of the Faculty.

STUDENT INTERNESHIPS

See Pathology and Diagnosis (Oral).

COURSES OF LECTURES

ANAESTHESIOLOGY, LOCAL AND GENERAL

Associate Professor MERVYN A. ROGERS
Lecturer ROBERT FERGUSON

The course in anaesthesia is given early in the Third year, beginning with local anaesthesia followed by general anaesthesia.

The course in local anaesthesia comprises seven lectures, several demonstrations and continuing assistance whenever needed throughout the student's clinical experience of the junior and senior years.

The objective of the course is to give the undergraduate a working knowledge of local anaesthesia for oral procedures and to teach him to evaluate new drugs and techniques as they may appear.

A review of related anatomy and a discussion of anaesthetic drugs and solutions is given followed by detailed instruction in infiltration and block anaesthesia by the intra-oral route.

The course in general anaesthesia comprises a short series of lectures on the general principles and the physiology of anaesthesia, with special

emphasis laid on the factors of safety and the suitability of the anaesthetic agent employed. The aim is to teach the dentist to co-operate with an anaesthetist under hospital or office conditions. Instruction in methods of emergency resuscitation is included.

Senior students, as student internes, are given demonstrations in the administration of general anaesthesia under actual working conditions in the hospital operating theatre and in the dental out-patient department.

Textbooks: Nevin and Bourgoyne, Conduction, Infiltration and General Anaesthesia; Archer, Dental Anaesthesia; Monheim, General Anaesthesia in Dentistry.

ANATOMY, GENERAL

Professors	C. P. LEBLOND, *Chairman*
	J. LANGMAN
	C. P. MARTIN
Associate Professors	S. M. BANFILL
	Y. CLERMONT
Assistant Professor	N. J. NADLER
Lecturers	L. HELLER
	E. W. WORKMAN
Lecturer in Dental Histology	G. DOUGLAS ARMSTRONG
Teaching Fellow	D. PUDDY
Demonstrators, Histology	C. HUCKINS
	E. KALLENBACH
Research Associate	M. ENESCO

ANATOMY

1A. GROSS ANATOMY

This course is taught during the First and Second years of the dental course.

In the First year the dental student spends two terms making a general survey of the body by means of lectures, dissection and demonstrations. This course runs concurrently with the course in First year Medicine.

During the first term of the Second year the dental student concentrates his attention on the head and neck. This course also runs concurrently with the course in Anatomy taken by the medical students but special lectures and demonstrations are given to emphasize points of special interest to dentists.

Practical Manual: J. T. Aitken et al., A Manual of Human Anatomy, Vol. 1 and 2 (Livingstone 1956).

Textbook: Gray, Anatomy (English edition); or Cunningham, Textbook of Anatomy.

MICROSCOPIC ANATOMY

1. HISTOLOGY AND EMBRYOLOGY

This course coincides for the main part with the Medical Microscopic Anatomy Course 5 but the reproductive organs are excluded and special lectures on dental histology are included. The course finishes at the end of the Winter term.

Histology Textbook: Bailey, Text-book of Histology; or Maximow and Bloom, Histology; or Ham, Histology.

ANATOMY, DENTAL

Assistant Professor	T. I. GUILBOARD, *Chairman*
Lecturer	DAVID T. SHIZGAL
Demonstrator	H. R. LOUTTIT

This course is given in the First year and consists of 40 lecture hours and 170 laboratory hours. It has a two-fold purpose.

1. To acquaint the student with the form and function of normal teeth and supporting tissues.

2. To develop the manual dexterity of the student, by carving and drawing teeth to given measurements.

The lecture course covers:

1. Introductory lectures on nomenclature and the development of teeth and surrounding tissues.

2. The morphology of each tooth, deciduous and permanent.

3. Arrangement of teeth and occlusion.

4. Comparative Dental Anatomy.

5. Instruction on reproducing tooth forms.

In the laboratory course teeth are carved three times normal size. They are carved from plaster of Paris blocks.

Fourteen teeth are carved normal size, and then articulated on models. Two wax crowns are carved to a natural dentition.

Extracted teeth are sectioned and mounted to show the student the composition of teeth, and the relationship of pulp chambers and canals to the crown and root.

References: Dental Anatomy, Diamond, 1st and 2nd edition; Textbook of Dental Anatomy & Physiology, Wheeler; Anatomy for Students of Dentistry, Scott & Dixon; Tooth Carving Manual, Linek.

BACTERIOLOGY

Professor	R. W. Reed, *Chairman*
Associate Professors	G. G. Kalz
	J. W. Stevenson
Assistant Professors	Fritz Blank
	C. A. Butas
	F. A. Holden
	A. M. Masson
	B. H. Matheson
	S. I. Vas
Lecturers	P. E. Cooke
	M. Frankin
	L. Kapica
	H. D. King
	E. Mankiewicz
	O. Morgante
	S. Nommik
	F. H. Prissick
	Raissa Silov
Demonstrator	S. Juhasz
Teaching Fellow	E. L. Medzon

All lectures and laboratory courses are given in the Department of Bacteriology (Institute of Pathology).

ELEMENTARY DENTAL BACTERIOLOGY AND IMMUNITY

30 lectures and 60 hours practical work.—Available to students of Dentistry on the completion of their studies in Anatomy, Physiology, Histology, and Biological Chemistry.

A choice of the following books is recommended:

F. C. Kelly and K. E. Hite, Microbiology (Appleton Century Crofts); Jordan and Burrows, Textbook of Bacteriology (Saunders); Fairbrother, A Textbook of Medical Bacteriolology (William Heinemann); Review of Medical Microbiology, Jawetz, Melnick & Adelberg (Lange Medical Publication).

BIOCHEMISTRY

Professors	K. A. C. Elliott, *Chairman*
	O. F. Denstedt
	J. H. Quastel
	D. L. Thomson
Associate Professors	M. Saffran
	P. G. Scholefield
	S. Solomon

Assistant Professors	E. H. Creaser
	E. A. Hosein
	D. Rubinstein
	C. C. Solomons

The course consists of two to four lectures and one laboratory period, per week, from October to May. *Professor Hosein*

The purpose of this course is to give the student an outline of the general subject of Biochemistry with a more special knowledge of such aspects as bear particularly on the science and practice of Dentistry.

Textbook: Textbook of Biochemistry for Students of Dentistry, Joseph C. Muhler (C. V. Mosby).

DIAGNOSIS, ORAL (*See*—Pathology)

ENDODONTICS

Associate Professors	Wilfred J. Johnston, *Chairman*
	A. Gerald Racey
	Wallace F. Walford
Assistant Professors	T. Ivan Guilboard
	Roger E. McMahon
Lecturer in Medicine	Gerald W. Halpenny
Lecturer in Radiology	E. S. Dorion
Lecturers in Dentistry	A. D. Richardson
	L. J. Rosen
	Cameron T. Walsh
Guest Lecturer	(chosen each year)

A course in root canal therapy correlated with the teachings of the Departments of Bacteriology, Pathology, Histology, and Dental Anatomy.

Two weeks in the senior year are devoted to a concentrated course of Theory and Clinical Practice of Endodontics. The basic principles of opening, cleansing, and filling root canals are dealt with in lectures and demonstrations. During this period each student is required to carry out the diagnosis, bacteriological examination, and treatment of the clinical cases that are provided. Where necessary, root resections and bleachings are performed. Throughout the senior year there is a weekly endodontic clinic to aid the students with those cases that they encounter during their general clinical work.

Textbooks: L. I. Grossman, Root Canal Therapy; Sommer, Ostrander and Crowley, Clinical Endodontics.

ETHICS, DENTAL AND PRACTICE MANAGEMENT

Lecturers — JOHN M. CHAMARD, VICTOR HOUGHTON

Under this heading the moral, social and business relationships between the dentist and his patient will be discussed, as well as his duty to the public, his fellow practitioner, and himself.

This course consists of fifteen lectures given in the Fourth year. The purpose is to enable the undergraduate to understand the problems encountered in the conduct of a successful dental practice. The lectures consider the dentist's personal preparation (mental, moral, and physical); his relation and obligation to the patient, to the public, and to the community; and finally, office location, office management, and records. Advice is offered on dental fee questions, accumulation of a competence, insurance, and investments.

FRESHMAN TECHNICS

Assistant Professor — D. W. HENRY, *Chairman*
Lecturer — MARCEL HEBERT
Demonstrators — L. E. KENT, O. P. SYKORA

An introduction to the techniques and practices which are common to Prosthetic and Operative Dentistry and to Crown and Bridge Prosthesis. This course is coordinated as closely as is practical to the lecture course in Dental Materials. As a preclinical introduction to the basic departments in Dentistry the course will deal with the elements of cavity preparation and materials used to restore them; casting and soldering of precious metals; prosthetic articulation; the use of investment materials and other materials used in Dentistry.

Lectures, demonstrations and practical laboratory exercises are assigned to the course.

HEALTH AND SOCIAL MEDICINE

Associate Professors — C. W. MACMILLAN, MARGARET E. NIX
Assistant Professor — MARIAN A. BAIN

A special course of twenty lectures on the relation of Dentistry to Public Health and Preventive Medicine, including an introduction to the organization and administration of public health programs in Canada, communicable disease control, environmental hygiene, nutrition and health education.

HISTOLOGY AND EMBRYOLOGY, ORAL

Lecturer G. DOUGLAS ARMSTRONG
Demonstrator JOHN D. FENWICK

This course follows Histology 1. The didactic portion traces the development of the teeth and supporting structures. Following this, there is the study of the adult oral tissues throughout their life cycle, and their relationship to the various fields in Dentistry.

The laboratory portion of the course is devoted to microscopic study of prepared ground and decalcified sections of oral tissues. Demonstrations of dissections of embryonic and foetal material are made.

Text: Orban, Oral Histology and Embryology.
Reference Book: Noyes, Schour, and Noyes, Dental Histology and Embryology.

HISTORY, DENTAL

Lecturer MARCEL HEBERT

This course is intended to give the student an intelligent concept of the evolution and development of dentistry from the primitive conditions and methods of the past to the present standing of the profession as a branch of the healing art. The contribution of some of the outstanding men in the profession to this development will also be considered.

JURISPRUDENCE, DENTAL

Lecturer ALEX. MCT. STALKER

A discussion of the laws governing the practice of dentistry, their necessity, and their purpose.

The responsibility of the dentist under the laws of the Province and his position as defendant in suits for damages and as plaintiff in suits for fees are fully explained.

MATERIALS, DENTAL

Demonstrator WALTER KOWAL

This course is given to First year students and is designed to be an introduction to the materials used in Dentistry. A short series of lecture-demonstration periods is given. Laboratory periods in co-operation with the technique courses of First year combine the study of chemical and physical properties of the materials with the techniques for handling them.

Methods of testing and assessing materials for dental use, processing and refining these products are discussed, and the requirements of ideal materials are outlined. Specifications for the materials as outlined by the American Dental Association and the U.S. Bureau of Standards are reviewed.

Textbooks: E. W. Skinner, The Science of Dental Materials, 5th Edition; Peyton et al, Restorative Dental Materials.

MEDICINE

Assistant Professor of Medicine and Clinical Medicine	I. G. Milne, *Chairman*
Associate Professor of Clinical Medicine	R. Roy Forsey
Assistant Professor of Paediatrics	E. M. Worden
Clinical Assistant in Medicine, The Montreal Children's Hospital	Donald Hillman
Lecturers in Medicine	R. F. P. Cronin
	S. O. Freedman
	A. Gold
	G. Joron
	J. L. Hutchison

This course of 15 lectures is designed to familiarize the dental student with the principles of Medicine. Particular attention is paid to:

(1) The relationship of good prenatal care and proper nutrition during infancy and childhood to dentition and the subsequent health of teeth and gums.

(2) Oral manifestations of systemic disease and the importance of oral health in the successful treatment of certain medical conditions.

(3) Medical complications of dental surgery and their prophylaxis.

METALLURGY

Associate Professor	H. H. Yates

This course is given to Dental students of the Second year by the Metallurgical Department of the University, located in the Physical Sciences Centre.

It consists of fifteen lectures of one hour, and about ten laboratory periods of two hours each.

The lecture course covers:

(1) Introductory lectures on the mechanical, physical and chemical properties of metals, especially in relation to their use in dentistry.

(2) Metallurgical principles of interest to the dentist are discussed, with particular emphasis on factors to be considered in casting, working, alloying, heat treatment, and corrosion.

(3) Metals and alloys used in dentistry are considered in terms of the above principles. The properties of amalgams, gold alloys, and cobalt-chromium alloys, both cast and wrought, are given special attention and the proper care of steel instruments is discussed in terms of the metallurgical behaviour of steels.

Textbook: E. C. Rollason, Metallurgy for Engineers (Edward Arnold).

Reference Books: E. W. Skinner, The Science of Dental Materials; Wulff, Taylor and Shaler, Metallurgy for Engineers; Mondolfo and Zmeskal, Engineering Metallurgy.

The Laboratory course includes experimental work with the metals: gold, silver, copper, lead, zinc, tin, aluminum, nickel, iron, and steel.

The metals and some of their alloys are hammered, filed, cut, rolled, heat treated, and tested to determine their important mechanical properties. The corrosion behaviour of galvanic couples is examined, especially couples of amalgam with gold alloys or cobalt-chromium alloy. Important factors governing crevice corrosion are also illustrated experimentally.

Pure gold and silver are prepared and dental and other amalgams are prepared and tested.

The course is given during the first term of each session by Professor Yates.

OPERATIVE DENTISTRY

Assistant Professors

E. R. Ambrose, *Chairman*
Harry Rosen

Lecturers

Roberta P. Dundass
Marcel Hebert

Demonstrators

G. M. Dundass
W. R. F. Dohn
G. K. Hale
J. S. Hasegawa
J. F. McMullan
L. C. Moran
D. J. Munro
Z. B. Nyeste
T. C. Postans
W. R. Robinson
R. P. W. Ryan
W. D. Sanders
A. J. Schutz
J. E. VanVliet
J. Vincelli

The purpose of this course is to instruct and train the student in the treatment of all diseases of, and injuries to, the hard tissues of the teeth and the restoration of the anatomy of the tooth in relation to function. Special attention is given to children's dentistry with the aim that operative procedures will have for their object the inhibition of pathologic processes and the maintenance of normal occlusion.

Lectures and laboratory courses in the First and Second years include all the procedures of operative technique.

Lectures on theory in the Third year combined with practical experience at the Dental Clinic in the Third and Fourth years stress the co-ordination of Operative Dentistry with Dental Hygiene, Orthodontics, Periodontia, Endodontia and Prosthetic Dentistry to the end that the student will graduate with adequate knowledge and ability to treat patients of all ages and conditions of life.

Textbooks: G. V. Black, Operative Dentistry, 2 Vol. (Medico-Dental Co., Chicago); Gabel, American Textbook of Operative Dentistry (Lea & Febiger); McGehee, True, Inskipp, Textbook of Operative Dentistry (Blakiston); Finn, Clinical Pedodontics (Saunders); Simon, Clinical Operative Dentistry (Saunders); Cohen, Pediatric Dentistry (Mosby).

ORTHODONTICS

Lecturers

CHARLES ASSELIN
ALBERT J. COLLE
CHARLES M. SOLOMON
WALTER SWISTON

This course is designed to give the student a knowledge of normal occlusion and of the basic principles underlying the development of malocclusion, its prevention and treatment. It includes lectures, training in technics, and clinical treatment of patients. Emphasis is placed on orthodontics as an integral part of dentistry and its relation to other branches of general practice. The practical training serves to develop digital skill and to give the student some experience in movement of teeth.

The course extends over the Second, Third, and Fourth years. Its study commences in the First year with the basic sciences including histology and embryology which cover the development, growth, and eruption of the teeth.

SECOND YEAR

In this year the course is devoted to technique. Exercises in wire bending and in freehand soldering are carried out. In addition, each student is required to take upper and lower impressions of a fellow student and to trim the casts according to standard technique.

THIRD YEAR

In this year the course includes appliance technique and lectures. For review, the taking of impressions and the trimming of casts are repeated. Advanced exercises in freehand soldering are completed. This is followed by construction of bands with attachments, labial appliance, lingual appliance, space maintainer, guide plane, and bite-plate on typodonts. The lectures cover terminology, normal occlusion and its development, and classification of malocclusion and anchorage.

FOURTH YEAR

In the final year a full course of lectures is given and treatment of patients is carried out by the students.

The lectures cover growth and development, etiology, diagnosis, principles of treatment, and prevention and interception of malocclusion. Pertinent histology and physiology of bone is reviewed with special emphasis on tissue changes incident to tooth movement. The relationship of orthodontics to the practice of general dentistry and children's dentistry is continually indicated.

In the orthodontic clinic patients with simpler malocclusions are assigned to the students. Appliances are designed by the staff and constructed of precious metals by the student who then carries out the treatment under strict supervision. In addition to being responsible for the patient assigned to him, each student is required to observe all the cases being treated in the clinic.

Textbooks: Anderson, Practical Orthodontics, 8th edition (C. V. Mosby); Salzmann, J. A., Orthodontics, Principles and Prevention (J. B. Lippincott Co.); Brash, Aetiology of Irregularity and Malocclusion of the Teeth; Salzmann, J. A., Orthodontics, Practice and Technics (J. B. Lippincott Co.); McCoy, Sheperd, Applied Orthodontics (Lea and Febiger) 7th edition.

PATHOLOGY, GENERAL

Professor — G. C. McMillan, *Chairman*
Associate Professor — A. C. Ritchie
Assistant Professor — D. S. Kahn
Lecturers — J. Kerner, S. Moore
Teaching Fellow — D. R. Murphy

1. COURSE IN GENERAL PATHOLOGY

A. Two lectures per week (with epidiascopic and microscopic demonstrations) during the 2nd, 3rd, and 4th terms. (48 lectures.)

Drs. Kahn, Kerner and Moore

B. Two practical laboratory classes per week during the 3rd and 4th terms. (80 hours practical work.)

Drs. Kahn, Kerner and Murphy

Textbooks: Boyd, Text-book of Pathology (Lea & Febiger). Wright, Introduction to Pathology (Longmans Green).

PATHOLOGY AND DIAGNOSIS, ORAL

Associate Professor — A. GERALD RACEY, *Chairman*

Assistant Professor of Clinical Dentistry — LYMAN E. FRANCIS

Lecturers — RALPH S. EDMISON, LESLEY A. GILL, JOHN MCCARTHY

This course is designed to teach the recognition of lesions of the oral cavity and the underlying pathological involvement. The course extends throughout the junior and final years.

In the junior year it includes the study of the developmental defects and malformations of the teeth. Special consideration is given to the study of the etiology, diagnosis, and pathology of dental caries; diseases of the dental pulp; periapical diseases; peridontal diseases; odontogenic cysts; and tumours which commonly occur in the oral cavity. A study is also made of the oral manifestations of certain of the infective granulomata, as well as vitamin deficiencies and endocrine disturbances.

A laboratory course of three hours a week for five weeks is given during the last part of the junior year, where a study is made of the microscopic aspects of these lesions.

In the final year the course consists of a consideration of the signs and symptoms of disease of the hard structures of the teeth, the dental pulp, the peridental membrane and the periapical tissues by means of roentgenographic examination and interpretation and clinical diagnostic tests. A study is also made of the signs and symptoms of disorders of the oral mucous membrane. Treatment planning in conjunction with the other dental teaching departments is given careful consideration.

In the seinor year the student serves as a student interne for a period of two weeks. During this time he lives in the Montreal General Hospital with room, meals and uniforms provided. He serves each morning in the Oral Diagnosis Clinic and is on call with the resident interne for the remainder of the entire day for the diagnosis and dental treatment of hospitalized cases both on the wards and in the main hospital operating

theatres with the attending Oral Surgeons. In this way the student is afforded an excellent opportunity to observe and to participate in dental service under hospital conditions.

The course extends over the entire year and is composed of lectures and practical instructions.

Text Books: Thoma, Oral Pathology; Thoma, Oral and Dental Diagnosis; Kronfeld, Histopathology of the Teeth and Their Surrounding Structures; Miller, Oral Diagnosis and Treatment; Burket, Oral Medicine; Color Atlas of Oral Pathology (Lippincott); Shafer, Hine and Levy, Oral Pathology.

PEDODONTICS

Lecturer	ROBERTA DUNDASS, *Chairman*
Assistant Professor	ERNEST R. AMBROSE
Demonstrators	J. F. MCMULLAN
	WILFRID R. ROBINSON
	ALBERT J. SCHUTZ
Guest Lecturer	HARRY M. SLATER

A course introducing child management, treatment planning, and operative procedures, presented to the Third year. Clinical instruction is conducted throughout the Fourth year.

PERIODONTOLOGY

Associate Professor	WALLACE F. WALFORD, *Chairman*
Assistant Professor	PHILIP J. GITNICK
Lecturers	ROBERT F. HARVEY
	J. DOUGLAS STEWART

The course, given to the junior and senior years, is designed to give the student a knowledge of the basic principles of oral prophylaxis, diagnosis, and the treatment of periodontal lesions.

The instruction given to the junior year consists of demonstrations of clinical prophylaxis followed by seminars on clinical cases. Laboratory instruction on models of clinical cases is featured during the junior year; the students learning scaling instrumentation from technique practice on extracted teeth and ivorine teeth with simulated calculus.

In the final year the course consists of thirty lectures and sixty clinical periods. Immediately following the lecture on any phase of treatment, a clinical period is devoted to application of the subject matter covered in the lecture.

The class is divided into small groups for clinical demonstrations both in the laboratory and upon patients. Each student thus has an opportunity to view, and to ask questions to an extent not possible with larger groups. Each student has an opportunity to carry out this instruction by treatments, under supervision, of patients in the University Dental Clinic at the Montreal General Hospital.

The clinical outpatient department provides an adequate supply of teaching material of representative periodontal lesions and this is further supplemented by patients referred to the department by local practising dentists.

Textbook: Glickman, Clinical Periodontology.

PHARMACOLOGY, GENERAL

Professor	K. I. MELVILLE, *Chairman*
Associate Professor	B. G. BENFEY
Assistant Professors	N. R. EADE
	B. KOVACS
Lecturer	L. E. FRANCIS

A course of twelve lectures concerned with those phases of pharmacology which are of importance in dentistry, supplemented by six laboratory periods.

Textbooks: Clark's Applied Pharmacology, Krantz and Carr, Goodman and Gilman, or Drill.

PHARMACOLOGY AND THERAPEUTICS, DENTAL

Associate Professor	WILFRED J. JOHNSTON, *Chairman*
Assistant Professor	LYMAN E. FRANCIS

A course for Third year students intended to provide a study of those drugs not covered in the General Pharmacology course which are of particular interest in the treatment of pathological conditions of the oral cavity.

Textbooks: Prinz, Rickert, and Dobbs, Dental Materia Medica and Therapeutics, Accepted Dental Remedies.

REMOVABLE DENTURE PROSTHESIS

Professor	JAMES MCCUTCHEON, *Chairman*
Associate Professor	M. A. ROGERS
Assistant Professors	R. E. DAGG
	D. W. HENRY
Lecturers	A. F. CAMERON
	J. T. ELO
	H. L. MUSSELS

Demonstrators

H. Bernstein
W. Kowal
F. E. Shamy
M. Shevell
H. J. Smart
O. P. Sykora

The Department of Denture Prosthesis includes in its teaching instruction on Examination, Diagnosis, Treatment-Planning, Construction and Maintenance related to removable partial and complete dentures, and such other appliances of a similar nature used in the treatment of cleft-palate and post-surgical cases.

The subject is offered in each of the four years of the course.

First year: The subject is introduced as a part of the Freshman Technics course. Work is completed on manikins and is restricted to materials and parts of basic denture techniques.

Second year: In this year the subject is dealt with at the technical level only, but comprehensive exercises in full techniques are taught.

Third and Fourth years: The final two years are clinical years. The student is expected to treat several different kinds of cases for actual patients.

The technical and clinical training is supported by lecture and seminar series in each year.

Textbooks: O. C. Applegate, Essentials of Removable Partial Denture Prosthesis (W. B. Saunders); Gehl and Dresen, Complete Denture Prosthesis (W. B. Saunders); W. L. McCracken, Partial Denture Construction (C. V. Mosby); Swenson, Complete Dentures (C. V. Mosby).

Reference Books: Anthony, American Textbook of Prosthetic Dentistry (Lea & Febiger); Edward Kennedy, Partial Denture Construction (Dental Items of Interest); F. G. Neurohr, Partial Dentures (Lea & Febiger); Schwartz, Modern Methods of Tooth Replacement (Dental Items of Interest); Schweitzer, Restorative Dentistry (C. V. Mosby).

FIXED PARTIAL DENTURE PROSTHESIS

Assistant Professors
W. H. Boyles, *Chairman*
P. R. Marchand

Lecturers
C. H. Dundass
R. T. Lamb
W. G. Stockwell

Demonstrators	J. R. Fong Chong
	F. O. Frederick
	L. E. Kent
	H. Ptack
	A. E. Pye
	O. P. Sykora

This course covers the teaching of methods of repairing dental lesions by means of individual crowns and fixed partial dentures.

The teaching covers the theoretical, technical and clinical aspects of the subject and extends over the last three years of the dental course.

In the Second and Third years the teaching is carried on in the laboratory with models.

During the last two years the theoretical aspects are taught in a series of lectures.

In the Fourth year the treatment of suitable clinical cases is carried out by the students under the supervision of demonstrators.

Ceramics is also taught as a part of this course.

Textbooks: Gillet and Irving, Inlays by the Indirect System (Dental Items of Interest); Schwartz, Cavity Preparation (Dental Items of Interest); Le Gro, Ceramics in Dentistry (Dental Items of Interest); Felcher, Art of Porcelain in Dentistry; Stanley D. Tylman, Crown and Bridge Prosthesis; Tylman & Tylman, Theory and Practice of Crown and Bridge Prosthodontics (Mosby, 4th Edition); Johnston, Phillips and Dykema, Modern Practice in Crown and Bridge Prosthodontics (Saunders).

PHYSIOLOGY

Joseph Morley Drake Professor	F. C. MacIntosh, *Chairman*
Professors	B. Delisle Burns
	A. S. V. Burgen
Associate Professor	Kathleen G. Terroux
Assistant Professors	R. I. Birks
	Simon Dworkin
	Bernice Grafstein
	E. J. Reininger
	Paul Sekelj
Lecturers	C. Pinsky
	O. M. Solandt

The purpose of this course is to give the student an elementary knowledge of the whole subject of physiology with a moderately comprehensive knowledge of such aspects as bear particularly on the practice of dentistry.

The course consists of three lectures a week from October to May, and fifteen laboratory periods of three hours each.

Textbooks: Best and Taylor, Physiological Basis of Medical Practice; Langley and Cheraskin, Physiological Foundation of Dental Practice; Best and Taylor, The Living Body; Guyton, Textbook of Medical Physiology.

RADIOLOGY

Lecturer E. S. DORION, *Chairman*

Demonstrator E. C. BURBANK

The introduction to this course is given at the end of Second year, just prior to the beginning of clinical work. At the outset, the possible effects of over-exposure to radiation for both the patient and the operator are stressed and the most efficient means to avoid this danger, demonstrated. The principles of the Right Angle Technique are presented and Dark Room Procedure taught following actual exposure of dental films.

At the beginning of Third year the above principles are reviewed and then applied by the students taking full mouth surveys of their own teeth after which they proceed to do likewise for clinical patients. The student is kept ever mindful of the important relation of this survey to all other departments. Lectures are also given on the medical aspects of X-ray examination.

Fourth year students are given every opportunity to improve their knowledge and radiographic technique in their application to oral diagnosis and treatment.

Textbooks: McCall and Wald, Clinical Dental Roentgenology; Stafne, Oral Roentgenographic Diagnosis; Miller, Oral Diagnosis and Treatment; Thoma-Robinson, Oral and Dental Diagnosis; Sydney Blackman, An Atlas of Dental and Oral Radiology.

SURGERY, ORAL

Professor JOHN W. GERRIE, *Chairman*

Assistant Professor in Charge of Exodontia
ROGER E. MCMAHON

Assistant Professor	S. J. MARTIN
Lecturers	JOHN MCCARTHY
	ROBERT M. WIENER
	ERIC P. MILLAR
Demonstrators	GEORGE BRABANT
	LOUIS EPSTEIN
	E. H. JONES
	RODNEY A. LEFEBVRE
	D. H. MUHLSTOCK

The course, given during the junior and final years, is designed to make the student proficient in the arts of local anesthesia and exodontia and to familiarize him with the principles of general surgery and the details of oral surgery including surgical treatment of malignant disease.

Although work in the department is largely clinical, fifty-five lectures are given to provide a didactic groundwork. The patients in the medical and surgical services, both indoor and out-patients, are available for teaching. In addition, students attend in groups at the Tumour Clinic where a large series of malignant conditions is demonstrated. Clinical lectures are given in the operating theatres, and ward rounds are conducted in the wards where mouth conditions of interest to dental students are shown.

A larger part of the lecture work is given before Christmas in the junior year. The introductory work in local anaesthesia is completed and an examination held. The student is then introduced to the Exodontia Clinic at the Hospital. Here he is given demonstrations and is required to follow the exodontia practice of the senior students.

The senior year is primarily clinical. In it the didactic work of the Third year is enlarged upon. Students practice in the exodontia clinic daily under the direction of members of the staff and are assisted after Christmas by a junior student. The class attends Oral Surgery Clinics and ward rounds when histories are taken and patients examined. Oral Surgery clinics are held several times weekly at which the more advanced mouth procedures are carried out. Attendance at these is not compulsory but interesting cases are demonstrated.

Text and Reference Books: Thoma, Oral Surgery; Archer, Oral Surgery; Nevin and Bourgoyne, Conduction, Infiltration and General Anaesthesia in Dentistry; Thoma, Oral Pathology; Burket, Oral Medicine; Fry and Killey, Fractures of the Facial Skeleton; Kazanjian and Converse, The Surgical Treatment of Facial Injuries; Schwartz, Disorders of the Temporomandibular Joint.

CLINICAL FACILITIES

Associate Professor of Clinical Dentistry M. A. ROGERS

The McGill University Dental Clinic is an integral part of the Out-Patient Department of the Montreal General Hospital. The Clinic, newly equipped and occupied on completion of the building in 1955, overlooks the City of Montreal from the slope of Mount Royal. Here, under the guidance of the Clinical Director and his associates in what we believe to be one of the best equipped undergraduate dental teaching clinics in America, students are taught to carry out all phases of Clinical Dentistry and related laboratory procedures.

The Third and Fourth year students attend this Clinic daily except for such time as may be taken up by lectures or other University work. Students entering the Third year must spend the period between the last of the regular May examinations and the end of June in the Clinic.

An abundance of teaching material in all aspects of Dentistry is always available. Integration with the Montreal General Hospital offers the facilities of all departments in that Hospital and allows the students to observe a wide variety of interesting and unusual cases under treatment.

A registered nurse and two resident internes are in attendance at all times.

General anaesthetics are administered in the dental surgery by the Department of Anaesthesiology of the Hospital.

LIBRARY

The Reading Room of the Medical Library which is on the third floor of the Medical Building is open to students of the Faculty of Dentistry and has a section dealing exclusively with dental subjects including standard texts, reference books and the current issues of the major dental journals. Bound volumes are kept in the stack areas on the second floor. The Library is open during the academic session from Monday to Friday, 9 a.m. to 10 p.m., Saturday 9 a.m. to 5 p.m. After June 15th the hours are 9 a.m. to 5 p.m. Monday to Friday, closed Saturday.

McGill University

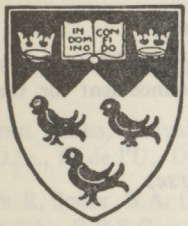
Montreal

Faculty of Law

Chancellor Day Hall

1961-1962

McGill University



Montreal

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PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, School of Household Science.)
Institute of Education
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

Faculty of Law

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

Frank R. Scott, B.A. (Oxon. and Bishop's), B.Litt. (Oxon.), LL.D. (Dal.), B.C.L., F.R.S.C. — *Dean of the Faculty of Law*

John H. Holton, B.Com. — *Secretary of the Board of Governors*

G. A. Grimson, B.Com. — *Comptroller*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

R. I. Cheffins, B.A., LL.B. (U.B.C.), LL.M. (Yale) — *Secretary of the Faculty of Law*

Mrs. Phyllis O'Neill — *Assistant-Secretary of the Faculty of Law*

A complete list of the teaching staff of the University, including the Faculty of Law, is printed as a separate announcement which may be obtained from the Registrar's Office.

FACULTY OF LAW OFFICE

CHANCELLOR DAY HALL

3644 Peel Street

Montreal 2

Telephone — VI. 4-6311

GENERAL INFORMATION

COURSE OF STUDY

The Faculty offers a three year course leading to the degree of B.C.L. Students proceeding to the legal and notarial professions are required to take an additional year of practical training and to pass further examinations. The degree course provides a liberal education in legal principles and theory, and prepares students for the legal and notarial professions, as well as for public service and business. In the field of private law, the curriculum is based on the Civil Law system and in particular on the Quebec Civil Code; in the field of public law, stress is laid on Constitutional, International, and Administrative law, and on the new institutions and procedures resulting from the increased role of government in the modern state. The courses given in every case require at least two hours of directed study for every hour of lecture. In addition essays are required in the First and Second years, and a thesis or equivalent additional work in the Third year.

ADMISSION*

To be qualified for admission to the Faculty a student must have obtained a B.A. degree from a Canadian university or a university or college of which the degree is recognized by McGill University as equivalent.

Application forms, which can be obtained by writing to the Faculty, must be completed and submitted by August 15th.

In exceptional cases students who do not intend to practise either the legal or notarial profession may be admitted to the Faculty if they have successfully completed two years in the Faculty of Arts and Science at McGill University, or have obtained an equivalent educational standard, and are intellectually qualified to pursue with advantage the study of law.

Women are admitted to the Faculty on the same terms as men, and are eligible for the degree.

The Faculty may admit a limited number of suitable persons to attend selected courses of lectures without matriculation in a University. Such permission will only be granted to applicants who satisfy the Faculty of their capacity to undertake with advantage the study of law. They will not be allowed to proceed to a degree, but will be entitled to receive a certificate specifying the course of study which they have successfully pursued and the class which they have obtained in the examination.

Candidates for admission may be required to interview the Dean or the Secretary of the Faculty and to obtain permission to register. In all cases admission is at the discretion of the Faculty.

*For students proceeding to the Bar and the notarial profession, see page 2013.

FRENCH

The attention of students is directed to the necessity of being able to read French easily, since many of the works to which they will be referred are written in that language. Reasonable fluency in spoken French is recommended for those who intend to practise in the Courts of this Province.

REGISTRATION

All students must register in person at the office of the University Registrar on Thursday or Friday, September 21st or 22nd.

Students registering later than the prescribed dates will be required to pay a late registration fee of $5 during the first week of the session and $10 during the second. This will not be refunded, except by special permission of the Faculty.

Students must bring with them at the time of registration the evidence necessary to show that they are entitled to admission into the Faculty, if this has not already been furnished. A written acceptance by the Faculty of Law must be presented to the Registrar.

FEES

The regular fees and special fees are given in the General Information Pamphlet included with this Announcement.

DATES FOR PAYMENT

Fees are due and payable at the Accounting Office on Thursday or Friday, September 21st or 22nd, but they may be paid before these dates. The second instalment is due and payable on January 15th. An additional $2 is charged for payment after the specified dates. An instalment fee of $5 is charged when fees are paid in two instalments.

Students registering late must pay their fees when they register, failing which they become subject to the provisions of the above paragraph.

Immediately after the prescribed dates for the payment of fees a list of the registered students who have not paid their fees is sent to the Dean of the Faculty, who removes their names from the register of attendance. Such students are not readmitted to any class until advice has been received from the Chief Accountant that the fees have been paid.

PRIZES, SCHOLARSHIPS, AND MEDALS

The *National Scholarships* are designed to enable outstanding men and women from all parts of Canada who would not otherwise be able to do so to enter any professional faculty of the University such as Law, Medicine,

Dentistry, Divinity, etc. The undergraduate work of candidates must have been completed at some other university. These scholarships are tenable for four years or for the period necessary for the holder to obtain his degree, whichever is the shorter period, provided academic standing satisfactory to the University Scholarships Committee is maintained. The amount awarded will depend upon need, but may extend to the full costs of tuition, residence, and board. Normally, National Scholarships will be awarded only to students who reside outside the Montreal area. Applications should be made to the Dean of the Faculty of Law by August 15th.

University Scholarships, after one year at McGill, may be awarded by the University Scholarships Committee to students in any year of any undergraduate faculty. They are awarded for exceptionally distinguished work in the regular University examinations and special applications are not required. They are renewable annually provided a sufficiently high academic standing is maintained. University Scholarships carry an automatic award of $100. Where there is financial need, however, winners may apply for assistance. Winners from the Montreal area may, on proof of need, receive up to full tuition fees. Winners from other parts of Canada may receive up to full tuition fees, plus the cost of board and residence as indicated by the need for financial assistance.

The *Chief Justice R. A. E. Greenshields Memorial Scholarships* were founded by the will of the late Mrs. R. A. E. Greenshields in memory of her husband, the late Chief Justice Greenshields, D.C.L., LL.D., for many years professor of Criminal Law and Dean of the Faculty of Law. Two scholarships of the value of $400 each are awarded annually to students entering the Faculty of Law and are renewable in each of the two upper years leading to the Bachelor of Civil Law degree, provided that the student's conduct is satisfactory and that he maintains at least a high Second Class standing, or in the opinion of the Faculty is for other reasons entitled to its renewal. Candidates must satisfy the regular requirements for admission to the Faculty, must have earned a scholastic standing of at least high Second Class, and preferably First Class at the University or Institution which they previously attended, and must furnish evidence of the necessity of financial assistance in order to be able to take up the study of law. Although fluency in both English and French is not essential, preference will normally be given to an applicant who has a good working knowledge of both languages.

The *Thomas Alexander Rowat Scholarship* was founded by Mr. Donald McKenzie Rowat, N.P., in memory of his brother, Lieutenant Thomas Alexander Rowat, B.C.L., who was killed in action at Lens, France, on the 28th June, 1917. The value of the scholarship is approximately $125. It is awarded in alternate years for proficiency in the French language and in the old French law.

The *Maurice Goldenberg Memorial Scholarship.* This scholarship of $100 in Government, Constitutional Law, or Public Administration has been established by Mr. H. Carl Goldenberg in memory of his father, the late Maurice Goldenberg. It is awarded annually by the University Scholarships Committee to the best candidate amongst those nominated by the Faculty of Arts and Science and the Faculty of Law. The scholarship is open to both men and women with no restriction as to race, creed, or colour.

The *Alexander Scholarship*, consisting of $45 was established in 1950 under the will of the late Maurice Alexander, C.M.G., K.C., of London, England, as a token of esteem for the late Sir Charles Peers Davidson, former Professor of Criminal Law at McGill University. It is awarded annually to a student selected by the Faculty.

The *Lyon W. Jacobs Bursary.* Established in November, 1957 by donations totalling $500 from the son and daughters of Mr. Lyon W. Jacobs, Q.C. in honour of their father. This fund is to be used to provide an annual $100 award to a Second or Third year law student who, in the opinion of the Faculty of Law shows the most progress in his studies and is also in financial need.

The *Charles Albert Nutting Prize* was founded in 1930 by Miss Adelaide Nutting, M.A., R.N., in memory of her brother, Charles Albert Nutting, Q.C., B.C.L., who graduated from this Faculty in 1872. The value of the prize is approximately $70. It is awarded to the student in the First or Second year submitting the best essay on a topic related to legal history, the topic to be fixed in advance by the Faculty.

The *Carswell Company Prizes*, consisting of two sets of books valued at $30 each, are awarded to first or second year students at the discretion of the Faculty. These prizes were established in 1948 by the Carswell Company of Toronto.

The *Reading Society Prize*, established in 1952 by the Reading Society of Montreal, consists of $50 to be awarded annually to the student who obtains the highest standing in the First year.

The *Alexander Morris Exhibition*, of the value of $50, founded in memory of the late Hon. Alexander Morris, M.A., D.C.L., of Toronto, will be awarded to the student who obtains the highest standing in the Second year.

The *Adolphe Mailhiot Prize*, established by Mr. and Mrs. J. N. Mailhiot of Victoriaville, P.Q., in 1927, consists of a prize of law books to be given annually to a student selected by the Faculty.

The *Montreal Bar Association* offers a prize of $50 to the student who obtains the highest standing in Civil Law in the final year and a prize of

$50 to the student who obtains the highest standing in Civil Procedure in the final year. The Junior Bar Association also offers a prize of $15 to the student who obtains the best marks in Civil Procedure in the final year.

The *Chief Justice Robert Alfred Ernest Greenshields Prize in Criminal Law*, founded in 1943 by Mrs. Greenshields in memory of her husband, the late Chief Justice Greenshields, D.C.L., LL.D., for many years Professor of Criminal Law and Dean of the Faculty of Law. The prize will be awarded to the member of the graduating class having the highest standing in Criminal Law throughout the college course.

John E. Crankshaw Prize, established by friends of the late John E. Crankshaw, Q.C., formerly lecturer in Criminal Law at McGill University. The prize consists of an Advocate's Gown, a copy of the Annotated Criminal Code, and, revenue permitting, the year's Bar Fee. It is to be awarded to the student who has obtained the highest standing in Criminal Law subjects at McGill University and has passed his final examination for admission to the Bar of the Province of Quebec.

The *I.M.E. Prize in Commercial Law* was established by Mr. George S. McFadden Q.C. and consists of $70 in law books awarded annually to the member of the graduating class having the highest standing in Commercial Law throughout the course.

The *H. E. Herschorn Prize* consists of $100 to be given annually by Mr. H. E. Herschorn, N.P., B.A. 1911, B.C.L. 1914, and awarded to the highest ranking student of the graduating class who intends to enter the Notarial profession.

The *Faculty Essay Prize* consist of $50 to be awarded annually to the student writing the best essay in public law in the Third year.

The *Arnold Wainwright Prize* consists of $150 to be awarded annually to the student writing the best essay in civil law in the Third year.

The *Max Crestohl Prize*, consisting of $40, was established in 1959 under the Will of the late Max Nathan Zion Crestohl, Q.C. It is awarded annually to the student who, in the opinion of the Faculty, has submitted the best written contribution to the McGill Law Journal.

The *Gerald S. Tritt, Q.C. Prize*, established in 1961 by the family and friends of Mr. and Mrs. Tritt, consists of $100 to be awarded annually to the student who obtains highest standing in the Special Contracts course.

The *Macdonald Travelling Scholarship* was founded by the will of the late Sir William Macdonald "for the purpose of enabling English-speaking Law students to take a course of studies in France," the testator "deeming it of great importance that the English-speaking members of the

legal profession should be proficient in the French language." The value of the scholarship is approximately $1,000. The scholar elected is required to pursue a year's study in the Law Faculty of a French University approved, in each case, by the Faculty. The award is made at the discretion of the Faculty to a student of the graduating class proceeding to the Bar, who has obtained first or second class honours in the final examination, and who would be unable without such financial help to spend a year in France. The Faculty interprets the will of the late Sir William Macdonald as intending that the Scholarship be awarded only to students preparing for practice as advocates in the Province of Quebec. Under the present regulations the Scholarship must be used in the year in which it is awarded.

The *Edwin Botsford Busteed Scholarship* was founded by the will of the late Mrs. Busteed in memory of her husband, Edwin Botsford Busteed, K.C., B.A., B.C.L., and will be awarded to an applicant, chosen by the Faculty, who desires to carry out graduate research on some subject connected with the law of Quebec and approved by the Faculty. The value of the scholarship is approximately $240.

The *Elizabeth Torrance Gold Medal*, founded in 1864 by Professor John Torrance in memory of his wife, is awarded to the student who obtains the highest marks in the Final Examination.

The *I. Ballon Memorial Medal* was established in 1955 by Mrs. I. Ballon in memory of her husband, the late Isidore Ballon, B.A. 1907, B.C.L. 1908, and is awarded annually to the most outstanding student on the Board of Editors of the McGill Law Journal.

The *A. Fleming Loan Fund* was established in 1954 by Mr. A. Fleming to aid students in the Faculty of Law. Application should be made to the Dean.

No medals, prizes, or scholarships will be awarded, if in the opinion of the Faculty there is no candidate of sufficient merit.

SCHOLARSHIPS ANNOUNCEMENT

A complete list of scholarships and bursaries and the regulations governing the various loan funds are given in the Announcement of Scholarships, Bursaries, and Loan Funds which may be obtained from the Registrar's Office.

DEGREES

B.C.L.

The degree granted in the Faculty is that of Bachelor of Civil Law. The course covers three years.

M.C.L.

The degree of Master of Civil Law is granted under the authority of the Faculty of Graduate Studies and Research for advanced study in law. The candidate must have the degree of B.C.L. from McGill or its equivalent, and must have obtained at least second class honours in the subject which he proposes to study and in the course as a whole. He must spend at least one year in resident study and present a thesis on some topic connected with his subject. The complete regulations governing this degree are given in the Announcement of the Faculty of Graduate Studies and Research.

LL.M.

The degree of Master of Laws is granted under the authority of the Faculty of Graduate Studies and Research for studies in the field of International Air Law. The requirements for this degree are summarized on page 2014 of this Announcement.

LIBRARY

The Law Library of the University at present contains over 30,000 volumes, and is located in Chancellor Day Hall. The principal law reports of Canada, the United Kingdom, and France are included, as well as a selection of reports from the United States and elsewhere.

Books will be loaned by the library, but fines are assessed for books overdue.

The Redpath Library, the general University library, is also available for the use of Law students.

EXAMINATIONS

*Examinations will be held:

(a) At the end of the First year, covering the year's work.

(b) At the end of the Second year, covering the Second year's work.

(c) At the end of the Third year, on the work of the Third year.

Special tests may be required by the Faculty at any time.

At all examinations in the Faculty students are at liberty to write their answers either in English or in French.

CLASSIFICATION OF MARKS

Class I	80–100%
Class II	70– 79%
Class III	50– 69%

In order to pass a student must have an overall average of at least 60%.

*These requirements are subject to alteration by the Faculty, of which notice will be given

SPECIAL EXAMINATIONS

(a) Students are not allowed the privilege of writing supplemental examinations. Special examinations may be set in the event of illness at the time of examination and in analogous cases.

(b) All applications for special examinations must be made to the Dean in writing and must reach his office before July 1st.

(c) The prescribed fees must accompany the written application and are payable to McGill University. Fees for special examinations will be ten dollars for each paper, with a maximum charge of fifty dollars. If the Third year essay is not accepted, in addition to the foregoing, a charge of $10 for reading the revised essay will be made.

(d) Students will only be permitted to repeat a year at the discretion of the Faculty.

GRADUATING ESSAY AND OPTIONS

In addition to passing examinations, students must submit, not later than the 15th of January of their Third year, an essay of not less than ten thousand words on a subject set by the Faculty. They must also take one of the seminars offered to Third year and graduate students.*

CURRICULUM**

FIRST YEAR

INTRODUCTION TO THE STUDY OF LAW

One hour throughout the session. — *Professor Louis Baudouin*

ROMAN LAW

Two hours throughout the session. — *Professors A. Karabus and Professor A. M. Honoré*

CIVIL LAW

(a) Persons and Property.
Three hours throughout the session. — *Professor Louis Baudouin*

(b) Obligations I.
Two hours, one term. — *Professor Paul A. Crépeau*

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*McGill Law Journal editors are exempt from this requirement.

**This curriculum is based on the requirements laid down by the Bar of the Province of Quebec, and is subject to revision without notice.

CRIMINAL LAW

Two hours throughout the session. *Professor R. I. Cheffins*
Mr. Joseph Cohen, Q.C.

LEGAL HISTORY

Two hours, one term. *Professor J. W. Durnford*

CONSTITUTIONAL LAW

Two hours, one term.
One hour, the other term. *Dean F. R. Scott*

LEGAL METHOD

One hour throughout the session. *Professor R. I. Cheffins*

INTRODUCTION TO THE LAW OF EVIDENCE, AND CVIL PROCEDURE

One hour, one term.
Two hours, the other term. *Mr. P. Meyer*

SECOND YEAR

CIVIL LAW

(a) Obligations II.
Three hours throughout the session. *Professor Paul A. Crépeau*

(b) Sale, Lease and Hire, Mandate, Partnership and Minor Contracts.
Two hours throughout the session. *Professor J. W. Durnford*

CIVIL PROCEDURE II

Two hours, one term. *Mr. Justice G. S. Challies*

COMMERCIAL LAW

(a) General Principles, Commercial Contracts.
Two hours, one term. *Professor J. W. Durnford*

(b) Negotiable Instruments and Banking.
One hour throughout the session. *Mr. G. E. Le Dain*

(c) Insurance.
One hour throughout the session. *Mr. L. P. de Grandpré, Q.C.*

CONSTITUTIONAL LAW

Two hours throughout the session. *Dean F. R. Scott*

CRIMINAL PROCEDURE AND EVIDENCE

Two hours, one term.
One hour, the other term. *Mr. Joseph Cohen, Q.C.*

INTERNATIONAL LAW

Two hours throughout the session. *Professor Maxwell Cohen, Q.C.*

THIRD YEAR

CIVIL LAW

(a) Privileges, Hypothecs, Registration, and Prescription.
Two hours, one term. *Mr. James A. Soden*

(b) Marriage Covenants.
Two hours, one term. *Mr. R. T. Clarkson*

(c) Successions, Gifts, Wills, Substitutions, and Trusts.
Two hours, one term. *Mr. R. T. Clarkson*

COMPANY LAW
One hour throughout the session. *Mr. P. F. Vineberg, Q.C.*

CIVIL PROCEDURE III
Two hours throughout the session. *Mr. S. W. Weber, Q.C.*

PRIVATE INTERNATIONAL LAW
Two hours throughout the session. *Paul A. Crépeau*

JURISPRUDENCE
Two hours throughout the session. *Professor Maxwell Cohen, Q.C.*

ADMINISTRATIVE LAW
Two hours throughout the session. *Professor R. I. Cheffins*

MUNICIPAL LAW
One hour, one term. *Mr. Graham Gould, Q.C.*

INDUSTRIAL LAW
One hour throughout the session. *Mr. Marc Lapointe*

TAXATION
One hour throughout the session. *Mr. G. T. Tamaki*

EVIDENCE
One hour, one term. *Mr. Justice G. R. W. Owen*

MARITIME LAW
One hour, one term. *Mr. Justice G. R. W. Owen*

BANKRUPTCY
One hour throughout the session. *Mr. W. J. McQuillan, Q.C.*

THIRD YEAR AND GRADUATE SEMINARS

COMPARATIVE LAW
Two hours throughout the session. *Professor Louis Baudouin*

BASIC PROBLEMS IN CANADIAN CONSTITUTIONAL LAW
Two hours throughout the session. *Professor F. R. Scott*

JURISPRUDENCE
Two hours througout the session. *Professors A. M. Honoré and Alan Karabus*

THE LAW AND CONSTITUTION OF INTERNATIONAL ORGANIZATIONS
Two hours throughout the session. *Professor Maxwell Cohen, Q.C.*

LEGAL PROBLEMS IN GOVERNMENT CONTROL OF BUSINESS
Two hours throughout the session. *Professor Maxwell Cohen, Q.C.*

FOURTH YEAR

Although students may be granted the degree of B.C.L. at the end of their Third year, those who are candidates for admission to the Bar and to the Notarial profession of Quebec are required to take a fourth year.

The Fourth year for students proceeding to the Bar is directed by the Dean. The course consists of practical instruction in the following subjects:

(a) Lectures and seminar instruction in drafting of legal documents and opinions, and practical instruction in Civil Law, Civil Procedure, Criminal Law and Procedure, Parliamentary Procedure, Company Law, Accountancy, Municipal Law, Taxation Law, and Legal Ethics and Professional Organization. Practical instruction in these subjects is given by the Dean and by twenty-seven practitioners.

(b) Trial Technique in Civil and Criminal Matters.

(c) Practical training in selected law offices or in Judges' Chambers.

ADMISSION TO THE LEGAL PROFESSION IN QUEBEC

Candidates proceeding to the Quebec Bar must be Canadian citizens and hold the degree of B.A. from a Canadian university or a university or college of which the degree is recognized jointly by Laval, McGill, Montreal, Ottawa, and Sherbrooke Universities, and in addition by the Bar. They must also satisfy the Bar Examiners that they have successfully completed "the regular course in philosophy" in an approved university. The philosophy course may, with permission from the Faculty, be taken concurrently with the law course.

Candidates for admission to the Notarial profession in Quebec must be Canadian citizens and hold the degree of B.A. from Laval, McGill, Montreal or Ottawa Universities, or another university or college of which the diploma is recognized as equivalent by one of them, for admission to its law course. They are required to have studied Latin and Philosophy.

In addition to the university fees for the law course, candidates are required to pay special fees for admission to the Bar or the Notarial profession.

In view of periodic amendments to the Notarial and Bar Acts, candidates are warned that they should not rely on the brief summary of

requirements contained in this Accouncement but should consult the following representatives of the Bar and Notarial profession before admission to the Faculty. Information regarding admission to the Bar may be obtained by applying to Mr. Charles Coderre, Q.C., 170 Dorchester Street East, Montreal, or by consulting the Bar Act of the Province of Quebec. Information regarding admission to the Notarial profession may be obtained by applying to Mr. Arthur Courtois, N.P., Room 320, New Court House, Montreal, or by consulting the Notarial Code, 1941, R.S.Q., chap. 263 (as amended).

INSTITUTE OF AIR AND SPACE LAW

This Institute operates within the Faculty of Law. Its Director is Professor A. Rosevear, Q.C.

The purpose of the Institute is to provide facilities for advanced study in International Air Law for qualified Law graduates, and also to provide an academic organization for fundamental research in this field.

The course of study normally requires two years' residence at the Institute, but those candidates whose work during the First year is, in the Director's opinion, satisfactory, may be permitted during the Second year to offer a thesis *in absentia* on an approved subject within the field of the Institute's work. If the thesis is accepted, the candidate will receive the degree of LL.M.

The annual fee for the course in residence (excluding living expenses in Montreal) is $500, plus an additional fee of $25 payable at the time of filing a thesis *in absentia*. Students in residence also pay a fee of $6 for students' activities.

Applicants for admission must hold a Law degree from an approved Law School in any part of the world, or must have been admitted to the practice of Law, but those having a working knowledge of the English and French languages will be given preference. All candidates must present evidence of the subjects covered in their prior Law studies and of their scholastic standing.

The course commences on the first Monday of October in each year. but candidates should be in residence not later than the preceding Monday. Application forms and curricula are available at the Faculty of Law office,

McGILL LAW JOURNAL

The McGill Law Journal is managed and edited by a board of students of the Faculty of Law. Scholarship and literary capacity determine the group of students who are selected as members of the editorial board. The Journal is a recognized activity of the Faculty of Law and is designed particularly to promote understanding in the common law world of the Quebec civil law system.

McGill University

Montreal

Faculty of Music

1961-1962

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement

School Certificate Examinations

Scholarships, Bursaries, and Loan Funds

Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)

Faculty of Medicine

Faculty of Medicine Postgraduate Courses

Faculty of Dentistry

Faculty of Engineering (Degrees in Engineering and in Architecture.)

Faculty of Law

Faculty of Music

Faculty of Divinity

Faculty of Graduate Studies and Research

School of Commerce

Institute of Education

Library School

School for Graduate Nurses

School of Physical and Occupational Therapy

School of Social Work

Macdonald College (Faculty of Agriculture and School of Household Science.)

French Summer School

Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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Faculty and Conservatorium of Music

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. . . . . *Principal*

David L. Thomson, B.Sc., M.A. (Aberdeen), Ph.D. (Cantab.), D.Sc. (Colby and McMaster), LL.D. (Aberdeen and Middlebury), F.C.I.C., F.R.S.C. . . . . *Vice-Principal*

Marvin Duchow, Mus.B., B.A. (N.Y.U.), M.A. (Rochester) . . . . *Dean of the Faculty and Director of the Conservatorium of Music*

Jack Waud, L.Mus., Mus.B. . . . . *Secretary of the Faculty*

J. H. Holton, B.Com. (Toronto) . . . . . *Secretary of the Board of Governors*

G. A. Grimson, B.Com. . . . . *Comptroller*

Colin M. McDougall, D.S.O., B.A. . . . . *Registrar*

MEMBERS OF THE FACULTY

The Dean

The Principal

The Vice-Principal

H. N. Fieldhouse, B.A. (Oxon.), M.A. (Sheffield), F.I.A.L., F.R.S.C. . . . . *Dean of the Faculty of Arts and Science*

Helmut Blume, Mus.B. (Berlin) . . . . . *Chairman, Department of Keyboard and Vocal Music*

Alexander Brott, L.Mus. . . . . *Chairman, Department of Orchestral Instruments*

F. K. Hanson, Mus.D. . . . . *Professor of Education (Music) in the School for Teachers*

All communications should be sent to the Secretary of the Faculty of Music, McGill University, Montreal, Que.

TEACHING STAFF OF THE FACULTY AND CONSERVATORIUM OF MUSIC

DEPARTMENT OF THEORY

Professor — The Dean, *Chairman*

Associate Professors — Helmut Blume; Alexander Brott

Assistant Professor — Istvan Anhalt

Instructors — Morley Calvert; Kelsey Jones; Ria Heyninx-Lenssens; Donald Mackey; Kenneth Meek; Alice Postner; Rosette Renshaw

DEPARTMENT OF KEYBOARD AND VOCAL MUSIC

Associate Professor — Helmut Blume, *Chairman*

Instructors

PIANO

Ellen Ballon (Master Class)

Shirley Byers; Mary Corish; Elizabeth Dawson; Lawrence Dennis; Rose Goldblatt; Edna Marie Hawkin; Lubka Kolessa; Greta Jones; Samuel Levitan; Gian Lyman; Kenneth Meek; Dorothy Morton; Phillips Motley; Charles Reiner; James B. Speirs; Lubomyra Zuk

ORGAN

George Little; Gian Lyman; Donald Mackey; Kenneth Meek; Phillips Motley

HARPSICHORD

Kelsey Jones

SINGING

Bernard Diamant; Ria Heyninx-Lenssens; Jean L. Millar; Edith della Pergola; Luciano della Pergola; Jan Simons

OPERA CLASSES

Bernard Diamant; Ria Heyninx-Lenssens; Jean L. Millar; Edith della Pergola; Luciano della Pergola; Gilles Potvin

COLLEGIUM MUSICUM

Otto Joachim; George Little

PEDAGOGY

Edna Marie Hawkin; Kenneth Meek; Jean L. Millar; Gifford Mitchell

CONSERVATORIUM CHOIR

George Little

DEPARTMENT OF ORCHESTRAL INSTRUMENTS

Associate Professor — Alexander Brott, *Chairman*

Instructors

VIOLIN

Hyman Bress
Arthur Garami
Edward Kudlak
Kenneth Perkins
D'Arcy Shea

VIOLA

Otto Joachim
Stephen Kondaks
Lucien Robert

CELLO

Lotta Brott
Walter Joachim
Yvette Lamontagne

DOUBLE BASS

Roger Charbonneau
Natalie Clair

FLUTE

Herve Baillargeon
Mario Duschenes

RECORDER

Mario Duschenes

OBOE

Melvin Berman
Real Gagnier
Arthur Romano

ENGLISH HORN

Arthur Romano

SAXOPHONE

Arthur Romano

CLARINET

Ralph Masella

BASSOON

Rudolph Masella

TRUMPET

George Jones
Jacques LeComte
Arnold MacLaughlan

FRENCH HORN

Harry Berv
Joseph Masella

TROMBONE AND TUBA

Joseph Bell
Joseph Zuskin

HARP

Dorothy Weldon

PERCUSSION

Louis Charbonneau
Michel Perreault

PEDAGOGY

Alexander Brott and Staff

CHAMBER MUSIC AND CONSERVATORIUM ORCHESTRA

Alexander Brott

SCHOOL MUSIC CLASSES

Professor — Frank Hanson

FACILITIES

The McGill Faculty and Conservatorium of Music are situated near the main campus. Facilities include a number of practice and teaching studios with piano, and one studio with small organ, all of which may be used both by regular and partial students at a nominal charge. A studio equipped with tape recorder, microphone, and instrument panel, is primarily intended for the use of radio classes, but is also available to advanced instrumental and vocal students for instructional purposes. A small undergraduate music library comprises: (a) record collections donated by the Carnegie Foundation, the London Gramophone Corporation, and the British Council; (b) a representative collection of standard chamber music, orchestral, choral and piano scores, as well as a nucleus of historical editions and a reference shelf.

For the presentation of senior student recitals, orchestral and choral concerts, special lectures, and similar events, the Faculty of Music enjoys the use of nearby Redpath and Moyse Halls, both of which are located on the main campus. The music section of Redpath Library, which is also located on the main campus, offers additional valuable resources to the students of the Faculty of Music. There the student will find a moderately large miscellaneous collection embracing such fields as musical biography, history, theory, aesthetics, and other subjects, as well as the noteworthy Donalda Collection of nineteenth century operatic scores.

The Conservatorium of Music holds periodic junior student recitals. Events planned by the Faculty and Conservatorium for the session of 1960-61 are: (a) a series of Campus Concerts held fortnightly on Mondays between 1 and 2 p.m., featuring senior students; (b) a series of Faculty Recitals; (c) operatic performances. The Faculty of Music also sponsors a series of public lectures by eminent authorities on subjects of specialized, as well as of more popular, interest.

SCHOLARSHIPS AWARDED

Ellen Ballon Piano Scholarship	Eric Paci
Donalda Prize	Denise Martineau Beverley Beaudoin Sara Hayden
Constance Hamilton Memorial Prize	Noreen Keating
Sir William Macdonald Memorial Scholarships	Helena Sandler Frank Warbis Kathleen Kasper
Marion Magor Scholarship	Rutharden LeBlanc Lowell Pelton

Sir William Peterson Memorial Scholarships	PATRICK BLAKE ROBERT SILVERMAN PENELOPE PETERS
Ressler Memorial Scholarship	LISE SANFAÇON
Willis Prize	JOHN MCKAY

SCHOLARSHIPS AND BURSARIES

Details of Scholarships and Bursaries will be found in the Scholarships, Bursaries, Prizes and Medals Announcement, issued by the University and obtainable at the Registrar's Office.

GENERAL STATEMENT

The McGill Faculty and Conservatorium of Music provide instruction in both the practical and theoretical fields of music. Faculty and Conservatorium, while sharing staff and facilities in common, maintain their distinctive functions and internal structure.

FACULTY

The Faculty of Music offers a four-year course of instruction leading to the degree of Bachelor of Music (Mus. B.). The programme of studies provides for specialization in the following fields:

(a) *Composition*
(b) *Performance*
(c) *School Music*

Candidates for the Mus. B. degree in Composition share a large number of theoretical courses with those in the remaining fields of specialization during the first and second years. More intensive theoretical training is reserved for the third and fourth years of the Composition programme.

In the field of Performance, candidates may qualify for the Mus. B. degree in any one of five programmes of study:

I Piano
II Organ
III Stringed or Orchestral Instruments
IV Voice A (Concert: Lied — Oratorio)
V Voice B (Opera)

A Professional Instructors' course is available as an option in the third and fourth years of Piano, Organ, and Stringed Instruments (Violin, Viola, Cello only), and in the second, third, and fourth years of Voice. For further particulars refer to page 2124.

The music courses required for the Mus. B. degree in School Music are concentrated in the first three years of study. The fourth year, designated School for Teachers, is taken at Macdonald College. It comprises the complete programme of education courses required for the degree.

Available to all degree candidates are a large number of ensemble and fourth year elective courses in the following fields:

Chamber Music
Choir
Choirmasters' Training (Choral Conducting and Church Choral Music)
Collegium Musicum
Musicology
Opera (Acting, Staging, Coaching)
Orchestra
Pedagogy
Piano Accompaniment
Piano Ensemble

A selected group of these courses forms a part of each required curriculum.

As previously noted, considerable emphasis is placed upon the theoretical and historical aspects of music study in each of the three fields of specialization. Important as a basis for expert musicianship, this training is equally valuable as an intellectual and humanistic discipline. It also facilitates transference from one to another field of specialization in that it calls for a large common segment of courses in the first and in the second year. An academic continuation course also forms part of the Mus. B. curriculum.

CONSERVATORIUM

The McGill Conservatorium of Music comprises a Senior and a Junior Department. In addition to its function as an institution offering courses of musical instruction, the McGill Conservatorium exists as an examining body holding annual examinations in both practical and theoretical subjects at various local centres throughout the Dominion.

SENIOR DEPARTMENT

The Senior Department of the McGill Conservatorium offers courses of instruction leading to the diploma of Associate in Music (A. Mus.), and to that of Licentiate in Music (L. Mus.). The diploma of Associate is awarded at the conclusion of the first year of study; that of Licentiate at the conclusion of the third.

The diplomas of Associate and Licentiate are available in the field of Performance only. Candidates may qualify in any one of the five instrumental or vocal areas open to Mus. B. candidates in that field. The curriculum of studies leading to these diplomas differs from that of the degree course in Performance in that it permits maximum concentration upon practical studies with lesser emphasis upon theoretical subjects. An ensemble requirement is included in both the first and second years of the Licentiate course.

JUNIOR DEPARTMENT

Information pertaining to the Junior Department of the Conservatorium will be found on page 2163 following.

LOCAL CENTRES

Information pertaining to the Local Centre examinations will be found on pages 2163 and 2164.

ADMISSIONS

All applications for admission to the Faculty or the Conservatorium of Music must be directed to the Secretary of the Faculty of Music, McGill University, 3426 McTavish St., Montreal, Que. (Tel: VIctor 4-6311, Local 482.)

ADMISSION REQUIREMENTS

FACULTY

In order to qualify for admission to the Faculty of Music, the candidate must pass (that is, obtain a minimum of fifty per cent) in each of the ten McGill School Certificate examinations listed below, and must achieve an average mark of sixty-five per cent in the ten examinations combined.

Matriculation Subject	Number of Papers
English	2
General History	1
Language — One of the following: French, German, Spanish, Latin, Greek	2
Elementary Algebra or Geometry	1
Music — Practical: Instrument or Voice 9 for candidates seeking admission to the Mus. B. programme in either Composition or School Music; Instrument or Voice 11 for Mus. B. in Performance — Theoretical: Theory 9	1
Electives — Three of the following: Biology, Botany, Chemistry, Art, Geography, Physics, Intermediate Algebra, Trigonometry, Canadian History *or* British History, a foreign language not already chosen	3

CONSERVATORIUM (SENIOR DEPARTMENT)

Requirements for admission to the first (Associate) year of the Senior Department are:

Academic Subjects: High School Leaving Examinations. (N.B. North American Literature is available as an elective to candidates who wish to qualify for admission to the Associate course.)

Musical Subjects: — Practical Instrument or Voice 11
— Theoretical: Theory 9

The requirement for admission to the second (first Licentiate) year of the Senior Department is the diploma of Associate in Music.

TRANSFER OF CREDITS — AUDITIONS

FACULTY AND CONSERVATORIUM (SENIOR DEPARTMENT)

Applicants with music credits from other universities or music schools must submit an official transcript of their record on or before September 1st. Also required is an audition in the practical subject. All students will be interviewed by the Dean at the commencement of each academic session.

CLASSES OF STUDENT

FACULTY AND CONSERVATORIUM (SENIOR DEPARTMENT)

Students are registered as:

(a) **Regular Undergraduates.** These are students who have the complete requirements for admission to either the Faculty or the Senior Department of the Conservatorium, and who are following the regular programme of studies of their year towards either the Mus. B. degree or the diplomas of A. Mus. or L. Mus.

(b) **Limited Undergraduates.** These are students who have the complete requirements for admission to either the Faculty or the Senior Department of the Conservatorium but who, because of ill-health or other circumstance, are unable to complete their degree work in the required number of years. Such students may, with the Dean's permission, extend their course beyond the required period, but must complete it within: (a) eight years for the Mus. B., (b) six years for the L. Mus.

(c) **Partial Students.** These are students who are not registered as proceeding to a degree or diploma, but who are permitted to take one or more courses. Partial students in practical subjects may not register for less than one term, and must notify the Secretary at least two weeks before the end of the term if they wish to discontinue lessons.

EXAMINATIONS

FACULTY AND CONSERVATORIUM (SENIOR DEPARTMENT)

Sessional Examinations

Final sessional examinations in all theoretical subjects are held in late April and early May. Examinations in all practical subjects take place during the first three weeks of May.

Deferred Examinations

Deferred practical examinations are permitted only in case of illness or other exceptional circumstances. A written request for the deferment of examination must be submitted to the Dean.

Supplemental Examinations

Students who have failed to obtain the passing grade of 60% in any written examination have the choice of: (a) passing a supplemental examination in that subject in the fall; (b) repeating the course.

CLASSIFICATION OF MARKS

FACULTY AND CONSERVATORIUM (SENIOR DEPARTMENT)

100—85%	First Class
84—70%	Second Class
69—60%	Third Class
Below 60%	Failure

FEES

TUITION FEES

N.B. The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require

FACULTY AND CONSERVATORIUM (SENIOR DEPARTMENT)

Regular Students: The fee for the course leading to the Mus. B. degree varies according to the field of specialization selected. The fees are as follows:

Mus. B. in Composition	$450 per session
" " " Performance	550 " "
" " " School Music, (First, Second, and Third Years)	450 " "
" " " School Music (Fourth Year)—Consult special announcement of Institute of Education.	

Fees for courses leading to the diplomas of Associate and Licentiate in Music are as follows:

A. Mus.	$400 per session
L. Mus.	425 " "

The annual fees for regular students also cover fees for the degree or diploma examinations at the end of the session, as well as fees for library and athletic privileges, the latter including required Physical Education, Student Health Service, and admission to home games under the control of the Athletics Board, except those of the senior football and hockey teams.

The above fees include the student activity fee of $15.

Limited Undergraduate and Partial Students. Fees for individual courses in either the Faculty of Music or the Senior Department of the Conservatorium are as follows:

ENSEMBLE COURSES:

Orchestra and Choir	no fee
Piano Accompaniment	$75 per session
Repertory Coaching	75 " "
All other ensemble courses	50 " "

ELECTIVE COURSES:

Radio Composition	$90 per session
Organ Repertoire	75 " "
Piano Repertoire	75 " "
All other elective courses	50 " "

THEORETICAL COURSES:

Aural Training, Harmony, and History and Analysis	$90 per session
Composition, Conducting, Counterpoint, and Orchestration	50 " "

PRACTICAL COURSES:

Piano, Organ, Harpsichord, Voice, Violin, Viola, and Cello	$288 per session
All other instruments	216 " "

NOTE: Tuition fees pertaining to courses in the Junior Department of the Conservatorium are listed on page 2165.

EXAMINATION FEES

FACULTY AND CONSERVATORIUM (SENIOR DEPARTMENT)

Examination fees for Limited Undergraduates and for Partial Students are $10 for each theoretical and $15 for each practical examination.

(NOTE: *Examination fees pertaining to courses in the Junior Department of the Conservatorium are listed on page 2165.*)

DATES OF PAYMENT:

TUITION FEES

The University does not issue bills for fees. Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. (Saturday 9 a.m. to 11 a.m.) on or before October 1st.

Remittance may be made by mail in which case cheques or money orders should be made payable to McGill University, and addressed to the Cashier, Accounting Department, McGill University, Montreal 2, P.Q.

Fees may be paid in two instalments, one at the beginning of the session, the other not later than January 15th. In such cases, the instalment fee of $5 is charged.

Special fees and penalties for late payment are shown in the General Information pamphlet which accompanies this announcement.

EXAMINATION FEES

All examination fees, including those for local centre examinations, must be paid in advance to the Secretary of the Faculty of Music, McGill University. In the case of local centre examinations, forms of application duly filled in by the candidate and accompanied by the examination fee must reach the Secretary in Montreal on or before April 1st.

ATTENDANCE REGULATIONS

1. All students are required to be punctual at all classes and lessons.
2. The attendance register must be signed by the student after each lesson in a practical subject.
3. Lessons in practical subjects missed in consequence of the instructor's absence will be made up at the mutual convenience of instructor and pupil. Lessons missed in consequence of the pupil's absence will be made up only if notice of cancellation has been given forty-eight hours in advance, or if a doctor's certificate is produced.

4. A maximum of unexcused absences comprising one-eighth of the total number of lectures will be permitted in any given degree or diploma course. Excuses for absence in excess of that number must be submitted to the Dean. These will be found acceptable only on grounds of illness (in which case a proper medical certificate is required), or in similar warranted circumstances. Unexcused absences in excess of the number allowed will result in the loss of examination privilege.

PROGRAMME OF STUDIES IN THE FACULTY OF MUSIC

MUS.B. DEGREE IN COMPOSITION

CURRICULUM:

	SUBJECT	HOURS PER WEEK
FIRST YEAR	Harmony 101	3
	Aural Training 101	3
	History and Analysis 101	4
	Composition 101	1
	Conducting 101	1
	Acoustics	1
	Practical	½
	Ensemble	2
	Academic	3
		18½
SECOND YEAR	Harmony 201	3
	Aural Training 201	3
	History and Analysis 201	4
	Composition 201	1
	Counterpoint 201	1
	Practical	½
	Ensemble	2
	Academic	3
		17½
THIRD YEAR	Harmony 301	3
	Aural Training 301	3
	History and Analysis 301	4
	Composition 301	1
	Counterpoint 301	1
	Orchestration 301	1
	Practical	½
	Ensemble	2
	Academic	3
		18½
FOURTH YEAR	Harmony 401	2
	Composition 401	1
	Counterpoint 401	1
	Orchestration 401	1
	Ensemble	2
	Academic	3
	Electives	3
		13

PRACTICAL REQUIREMENT

The practical requirement for the Mus.B. degree in Composition is the grade 11 certificate of the Junior Department of the Conservatorium in the practical subject (instrument or voice) in which the candidate had qualified for admission. In those cases where the subject is other than piano, Piano 7 is imposed as an additional practical requirement to be completed by the end of the second year.

ENSEMBLE REQUIREMENT

Two years of either Choir or Orchestra are obligatory for all candidates qualifying for the Mus.B. degree in Composition, and may be taken in any sequence during the four year course of studies. Two remaining years of these or any of the other ensemble courses listed on pages 2147 and 2162 serve to complete the requirement. The selection is to be made in consultation with the departmental chairman or the Dean.

ACADEMIC REQUIREMENT

To fulfill the academic requirement for the first Mus.B. year in Composition, the candidate is required to select one first year course from the list of academic courses tabulated on pages 2135 to 2137. Beginning in the second year, the candidate must follow a continuation sequence in a selected academic subject through the last three years of study. This sequence may be pursued in any subject of the candidate's choice selected from the above-mentioned list — whether the subject be that selected in the first year or some other.

FOURTH YEAR ELECTIVE REQUIREMENT

Fourth year elective courses are: Composition 402; History 401; History 402; History 403; Musicology 401. Any three courses may be selected in fulfilment of the elective requirement. In the case where Musicology 401 is selected, however, only one additional course is required.

COMPOSITION REQUIREMENT

In addition to the regular course requirements in composition, candidates in the fourth year must submit two original compositions to be received by the Secretary of the Faculty not later than the last day of the second week in April. One is to be an unaccompanied vocal work (not an anthem) showing considerable vocal resource; the other a work for strings, or combination of not less than four instruments or full orchestra. The works may be in any form and the instrumental composition should be of extended length. It should be noted that manuscripts, whether accepted or not, will not be returned to the candidate.

VIVA VOCE

Candidates in the fourth year are required to take a comprehensive oral examination covering the fields of theory, musical history, form, orchestration, and general repertory. Questions may also be asked concerning the compositions submitted by the candidate.

MUS.B. DEGREE IN PERFORMANCE

CURRICULA

Candidates may qualify for the Mus.B. in Performance in any one of five programmes of study, the curriculum for each of which is tabulated below. Special requirements for the respective programmes of study will be found on pages 2122 to 2124.

I. PIANO

FIRST YEAR	SUBJECT	HOURS PER WEEK
	Piano 101	1
	Harmony 101	3
	Aural Training 101	3
	History and Analysis 101	4
	Composition 101	1
	Conducting 101	1
	Acoustics	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Piano Ensemble 101	1
	Piano Accompaniment 101	1
		18½
SECOND YEAR	Piano 201	1
	Harmony 201	3
	Aural Training 201	3
	History and Analysis 201	4
	Counterpoint 202	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Piano Ensemble 201	1
	Piano Accompaniment 201	1
	Academic	3
		19½
THIRD YEAR	Piano 301 *or* 302 (Professional Instructor — see p. 2124)	1
	Harmony 301	3
	Aural Training 301	3
	History and Analysis 301	4
	Counterpoint 302	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Chamber Music 301 *or* Collegium Musicum 101	2
	Academic	3
		19½
FOURTH YEAR	Piano 401 *or* Piano 402 (Professional Instructor)	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Chamber Music 401 *or* Collegium Musicum 201	2
	Academic	3
	Electives	3
		11½

II. ORGAN

FIRST YEAR	SUBJECT	HOURS PER WEEK
	Organ 101	1
	Harmony 101	3
	Aural Training 101	3
	History and Analysis 101	4
	Composition 101	1
	Conducting 101	1
	Acoustics	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Collegium Musicum 101	2
		18½

SECOND YEAR		
	Organ 201	1
	Harmony 201	3
	Aural Training 201	3
	History and Analysis 201	4
	Counterpoint 202	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Collegium Musicum 201	2
	Academic	3
		19½

THIRD YEAR		
	Organ 301 *or* Organ 302 (Professional Instructor — see p. 2124)	1
	Harmony 301	3
	Aural Training 301	3
	History and Analysis 301	4
	Counterpoint 302	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Choral Conducting 301	1
	Church Choral Music 301	1
	Academic	3
		19½

FOURTH YEAR		
	Organ 401 *or* Organ 402 (Professional Instructor)	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Choral Conducting 401	1
	Church Choral Music 401	1
	Academic	3
	Electives	3
		11½

III. STRINGED AND OTHER ORCHESTRAL INSTRUMENTS

Candidates may qualify for the Mus.B. degree in the present programme of study in any one of the following instruments as principal practical subject.

Violin	Flute	Trumpet	Harp
Viola	Oboe (English Horn)	French Horn	Percussion
Cello	Clarinet	Trombone (Tuba)	
Double Bass	Saxophone		
	Bassoon		

The instrument selected must be that wherein the candidate qualified for admission. It is to be followed in a continuation sequence throughout the four years of study —as indicated under "Instrument" in the ensuing curriculum tabulation.

FIRST YEAR	SUBJECT	HOURS PER WEEK
	Instrument — 101	1
	Harmony 101	3
	Aural Training 101	3
	History and Analysis 101	4
	Composition 101	1
	Conducting 101	1
	Acoustics	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Chamber Music 101	2
		18½

SECOND YEAR		
	Instrument — 201	1
	Harmony 201	3
	Aural Training 201	3
	History and Analysis 201	4
	Counterpoint 202	1
	Second Practical Subject	½
	Ensemble: Choir *or* Orchestra	2
	Chamber Music 201	2
	Academic	3
		19½

THIRD YEAR		
	Instrument — 301 *or* 302	
	(Professional Instructor — see p. 2124)	1
	Harmony 301	3
	Aural Training 301	3
	History and Analysis 301	4
	Counterpoint 302	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Chamber Music 301	2
	Academic	3
		19½

FOURTH YEAR		
	Instrument — 401 *or* 402	
	(Professional Instructor — see p. 2124)	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Chamber Music 401	2
	Academic	3
	Electives	3
		11½

IV. VOICE A (CONCERT: ORATORIO — LIED)

FIRST YEAR	SUBJECT	HOURS PER WEEK
	Voice A 101	1
	Harmony 101	3
	Aural Training 101	3
	History and Analysis 101	4
	History 101	1
	Composition 101	1
	Conducting 101	1
	Acoustics	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Language 101	1
		18½

SECOND YEAR		
	Voice A 201 *or* Voice 202	
	(Professional Instructor — see p. 2124)	1
	Harmony 201	3
	Aural Training 201	3
	History and Analysis 201	4
	Counterpoint 202	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Collegium Musicum	2
	Academic	3
		19½

THIRD YEAR	Voice A 301 *or* Voice 302 (Professional Instructor)	1
	Harmony 301	3
	Aural Training 301	3
	History and Analysis 301	4
	Counterpoint 302	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	One of the following:	
	Piano Ensemble 101	
	Chamber Music 301	
	Church Choral Music 301	2
	Academic	3
		19½
FOURTH YEAR	Voice A 401 *or* Voice 402 (Professional Instructor)	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	One of the following:	
	Piano Ensemble 201	
	Piano Accompaniment 201	
	Chamber Music 401	
	Church Choral Music 401	2
	Academic	3
	Electives	3
		11½

V. VOICE B (OPERA)

FIRST YEAR	SUBJECT	HOURS PER WEEK
	Voice B 101	1
	Harmony 101	3
	Aural Training 101	3
	History and Analysis 101	4
	History 101	1
	Composition 101	1
	Conducting 101	1
	Acoustics	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Language 101	1
		18½
SECOND YEAR	Voice B 201	1
	Harmony 201	3
	Aural Training 201	3
	History and Analysis 201	4
	Counterpoint 202	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Acting 201	1
	Coaching 201	1
	Academic (Language)	3
		19½
THIRD YEAR	Voice B 301	1
	Harmony 301	3
	Aural Training 301	3
	History and Analysis 301	4
	Counterpoint 302	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Coaching 301	1
	Staging 301	1
	Academic (Language)	3
		19½

FOURTH YEAR	Voice B 401	1
	Practical Second Subject	½
	Ensemble: Choir *or* Orchestra	2
	Coaching 401	1
	Staging 401	1
	Academic (Language)	3
	Electives	3
		11½

SECONDARY PRACTICAL REQUIREMENT

The selection of the secondary practical subject is to be made from the list of practical subjects offered in the Junior Department of the Conservatorium. This list appears on pages 2167-8. Non-pianists may select as their secondary practical subject: (a) piano, or (b) an instrument (not their own) other than piano. Students for whom piano is neither a principal nor a secondary subject must complete Piano 7 as an additional requirement.

All candidates selecting for their secondary practical requirement a subject in which they have had previous training must submit to an audition in which their grade level will be appraised. The degree requirement for any secondary subject is normally three grades beyond that at which the candidate was evaluated at the time of admission. The minimum grade imposed for the completion of the secondary practical requirement is 9; the maximum 201.

ENSEMBLE REQUIREMENT

Regular attendance at either Choir or Orchestra in each of the four years is obligatory for all candidates for the Mus.B. degree in Performance. The remaining ensemble requirement varies with each of the five programmes of study available in this field. The specific ensemble requirements for each of these programmes are indicated in the preceding curricula. Where options are provided, admission to these is conditional upon the consent of the departmental chairman or the Dean. Substitution of other optional ensemble courses will be considered in special cases.

ACADEMIC REQUIREMENT

Mus.B. students in the field of Performance will commence their academic course in the second year. This course is to be selected from the list of subjects given on pages 2135-7, and is to be followed in a continuation sequence through the last three years of study.

FOURTH YEAR ELECTIVE REQUIREMENT

The following are available as Fourth Year elective courses:

Composition	402
History	401
"	402
"	403
Musicology	401
Pedagogy	401
"	402
"	403
"	404

Instrumental Class " "	101} 201}	(Available as special elective pedagogy courses to candidates whose principal practical subject is an orchestral wind instrument.)
Instrumental Class	301	(Available as a special elective pedagogy course to candidates whose principal practical subject is double bass.)

Any three courses may be selected in fulfilment of the elective requirement. In the case where Musicology 401 is selected, however, only one additional course is required.

SPECIAL REQUIREMENTS FOR PRACTICAL EXAMINATIONS

I. PIANO

(a) *Sight-Reading.* The sight-reading requirements for all piano examinations will be of not greater difficulty than the prepared work of the previous examination.

(b) *Transposition.* Piano 101 calls for the transposition of a simple piece either a semi-tone up or down; Piano 201 calls for transposition at whole tone up or down.

II. ORGAN

(a) *Sight-Reading.* The sight-reading requirements for all organ examinations will be of not greater difficulty than the prepared work of the previous examination. An additional sight-reading test given at all organ examinations calls for the ability to read from four-part open score. In the case of Organ 101 and 201 only G and F clefs are used; the latter grade demands, however, a greater degree of sight-reading proficiency on the part of the candidate. The sight-reading tests for the subsequent organ examinations call for a knowledge of G, F, and C clefs with again a greater degree of sight-reading proficiency demanded in the fourth year.

(b) *Transposition.* The transposition requirements for organ are as follows:

Grade	Interval of Transposition
Organ 101	semi-tone up or down
" 201, 302	whole tone up or down
" 301, 402	third up or down
" 401	at any interval

(c) *Extemporization.* The requirements for the extemporization tests in the various organ examinations are as follows:

Grade	Requirements
Organ 101	Extemporization on a short motive
" 201	" " " " theme
" 301, 302	" " " theme
" 401, 402	" " two themes

III. ORCHESTRAL INSTRUMENTS

(a) *Sight-Reading.* The sight-reading requirements for examinations in strings and in the remaining orchestral instruments consist of the reading of orchestral excerpts. The 101 examination in these subjects calls for three excerpts selected by the candidate as well as three selected by the examiner. In the case of the 201 examination, four excerpts of advanced difficulty are to be selected each by candidate and examiner, while an unspecified number is called for in the 301, 302, and 402

examinations. The sight-reading requirement is dropped in the fourth year (401) examination.

(b) *Transposition.* The transposition requirements for the various wind instruments will be found in the description of course contents for the respective instruments. (See pages 2157 to 2160.)

IV. VOICE A & B

Sight-Reading. Examples of sight-reading exercises for voice examinations are issued in booklet form by the McGill Conservatorium and may be obtained by writing to the Secretary of the Faculty of Music.

SPECIAL ELECTIVE REQUIREMENT FOR PROFESSIONAL INSTRUCTORS

Candidates for the Mus.B. degree in Performance whose principal practical subject is piano, organ, or voice, and who have in their third and fourth years chosen to follow the available professional instructors' courses (302, 402) in these fields must include the corresponding pedagogy course in their list of fourth year electives. In the field of orchestral instruments the professional instructors' course is available only in violin, viola and cello. The following table makes clear the elective course required in each of the above-mentioned cases:

Professional Instructors' Course	Required Elective
Piano 302, 402	Pedagogy 402
Organ 302, 402	" 403
Voice 302, 402	" 404
Violin, Viola, Cello 302, 402	" 401

Candidates specializing in orchestral instruments other than violin, viola, or cello, and with the exception of harp and percussion, may, while following the regular performers' course of their instrument in the third and fourth years, choose Instrumental Class 101, 201, or 301 as special pedagogy electives in the fourth year. (See above: FOURTH YEAR ELECTIVE REQUIREMENT.)

SPECIAL LANGUAGE REQUIREMENT FOR STUDENTS QUALIFYING IN VOICE A & B

Degree candidates in Voice A or Voice B must fulfil a special language requirement in: (a) French, (b) German, and (c) Italian. Two of these language requirements are to be satisfied by: (1) the matriculation language requirements, and (2) the academic continuation course. Language 101, which is taken in the first year, serves to complete this requirement.

VIVA VOCE

All candidates for the degree of Mus.B. in Performance are required to take a comprehensive oral examination in the final year. This examination will include questions on musical history, form, and general repertory. Candidates will also be questioned on the pieces performed by them in their final practical examination, and on the history and repertory of their particular instrument. Candidates specializing as professional instructors will also be questioned on technical and musical problems involved in the teaching of their instrument, and will be expected to demonstrate a first-hand knowledge of the teaching repertory for that instrument.

MUS.B. DEGREE IN SCHOOL MUSIC

CURRICULUM

FIRST YEAR	SUBJECT	HOURS PER WEEK
	Harmony 101	3
	Aural Training 101	3
	History and Analysis 101	4
	Composition 101	1
	Conducting 101	1
	Vocal Physiology and Choral Techniques 101	2
	Instrumental Class 101	1
	Practical First Subject 10	1
	Practical Second Subject	½
	Acoustics	1
	Ensemble	2
		19½

SECOND YEAR	SUBJECT	HOURS PER WEEK
	Harmony 201	3
	Aural Training 201	3
	History and Analysis 201	4
	Counterpoint 202	1
	Instrumental Class 201	1
	Orchestration 202	1
	Practical First Subject 11	1
	Practical Second Subject	½
	Ensemble	2
	Academic	3
		19½

THIRD YEAR		
	Harmony 301	3
	Aural Training 301	3
	History and Analysis 301	4
	Counterpoint 302	1
	Instrumental Class 301	1
	Orchestration 302	1
	Practical First Subject 101	1
	Practical Second Subject	½
	Ensemble	2
	Academic	3
		19½

FOURTH YEAR

"Institute of Education" (Please refer to page 2134.)

PRINCIPAL PRACTICAL REQUIREMENT

Candidates for the Mus.B. degree in School Music may qualify for admission in piano, a string, woodwind, or brasswind instrument, or in voice. The degree requirement is the 101 course in the practical subject in which the candidate qualified for admission.

SECONDARY PRACTICAL REQUIREMENT

This requirement is the same as that for the Mus.B. degree in Performance. Please refer to page 2122.

ENSEMBLE REQUIREMENT

Candidates for the Mus.B. degree in School Music are required to take ensemble courses in all but the last year of their programme of studies. Two years of either Choir or Orchestra together with an approved ensemble course of the candidate's choice in the remaining year constitute the requirement in this subject.

ACADEMIC REQUIREMENT

This requirement is the same as that for the Mus.B. degree in Performance. Please refer to page 2122.

ELECTIVE REQUIREMENT

There is no fourth year elective requirement for the Mus.B. degree in School Music.

SPECIAL REQUIREMENTS AT PRACTICAL EXAMINATIONS

The sight-reading and transposition requirement are the same as those for the A.Mus. examination in the practical subject (orchestral instrument or voice) in which the candidate is qualifying for the degree. Please refer to page 2127.

EDUCATION REQUIREMENT

The programme of education courses called for in the fourth year is given at Macdonald College in the Institute of Education. These courses satisfy the education requirement for the Mus.B. degree in School Music. Please refer to page 2134.

PROGRAMME OF STUDIES IN THE CONSERVATORIUM OF MUSIC—SENIOR DEPARTMENT

CURRICULUM

A.MUS.

SUBJECT	HOURS PER WEEK
Practical First Subject: Instrument — 110	1
or	
Voice — 110 (A or B)	3
Harmony 101	4
History and Analysis 101	
	8

L.MUS.

FIRST YEAR

SUBJECT	HOURS PER WEEK
Practical First Subject: Instrument — 210	1
or	
Voice 210 (A or B)	½
Practical Second Subject	3
Aural Training 101	1
Composition 101	4
Ensemble	
	9½

SECOND YEAR

SUBJECT	HOURS PER WEEK
Practical First Subject: Instrument — 310	1
or	
Voice 310 (A or B)	½
Practical Second Subject	1
Conducting 101	1
Acoustics	4
Ensemble	
	7½

SPECIAL REQUIREMENTS FOR PRACTICAL EXAMINATIONS IN THE ASSOCIATE AND LICENTIATE COURSES

I. PIANO

(a) *Sight-Reading.* The sight-reading requirements for all piano examinations will be of not greater difficulty than the prepared work of the previous examination.

(b) *Transposition.* Piano 110 calls for the transposition of a simple piece a semi-tone up or down; Piano 210 calls for transposition a whole tone up or down.

II. ORGAN

(a) *Sight-Reading.* The sight-reading requirements for the organ examinations will be of not greater difficulty than the prepared work of the previous examination. An additional sight-reading test given at all Senior Conservatorium examinations in organ calls for the ability to read from four-part open score. In the case of Organ 110 only the G and F clefs will be used. The sight-reading tests for Organ 210 and 310 call for a knowledge of G, F, and C clefs, with a greater degree of sight-reading proficiency expected in the latter course.

(b) *Transposition.* The transposition requirements for organ are as follows:

Grade	Interval of Transposition
Organ 110	— semi-tone up or down
" 210	— whole tone up or down
" 310	— third up or down.

(c) *Extemporization.* The requirements for the extemporization tests are as follows:

Grade	Requirements
Organ 110	— extemporization on a short motive
" 210	— " " " theme
" 310	— " " two themes.

III. VOICE A & B

Sight-Reading. The sight-reading requirements for voice examinations will be of not greater difficulty than the prepared work of the previous examination.

IV. ORCHESTRAL INSTRUMENTS

Sight-Reading. The sight-reading requirements for examinations in strings and in the remaining orchestral instruments consist of the reading of orchestral excerpts. The 110 examination in these subjects call for three excerpts which are to be selected by the candidate as well as three to be selected by the examiner. In the case of the 210 examination, four excerpts of advanced difficulty are to be selected each by candidate and examiner. The sight-reading requirement is dropped in the final examination (310).

SECONDARY PRACTICAL REQUIREMENT FOR THE DIPLOMA OF LICENTIATE IN MUSIC

This requirement is the same as that for the degree of Mus.B. in Performance, save that two rather than three grades beyond that of admission are required. Please refer to page 2122.

ENSEMBLE REQUIREMENT FOR THE DIPLOMA OF LICENTIATE IN MUSIC

Either Choir or Orchestra is obligatory for all diploma candidates in each of the Licentiate years.

Two hours of additional ensemble work is required in each of these years. The courses will be selected from among those listed as part of the Mus.B. curriculum in Performance in the instrumental or vocal field of the candidate's choice. The selection is to be made in consultation with the departmental chairman or the Dean.

SPECIAL LANGUAGE REQUIREMENT FOR LICENTIATE STUDENTS QUALIFYING IN VOICE A & B

Candidates for the Licentiate in either Voice A or B must fulfil a special language requirement in two of the following: (a) French, (b) German, (c) Italian. These language requirements are to be satisfied by: (1) the high school leaving language requirement; (2) Language 101 to be taken in the second year.

VIVA VOCE

Candidates for the diploma of Licentiate in Music are required to take an oral examination in the final year. Questions will be asked concerning musical history, form, and general repertory. Candidates will also be questioned on the pieces performed by them in their final practical examination, and on the history and repertory of their particular instrument.

(NOTE: *For the Programme of Studies offered in the Junior Department of the Conservatorium, please refer to page 2166.*)

COURSES OF INSTRUCTION IN THE FACULTY AND IN THE SENIOR DEPARTMENT OF THE CONSERVATORIUM

DEPARTMENT OF THEORY

REGULAR COURSES

AURAL TRAINING 101. Solfege studies in both major and minor keys. A reading knowledge of all clefs. Rhythmic dictation in simple and compound metres. Melodic dictation of moderately difficult major or minor melodies with simple modulations. Intervals and elementary harmonic dictation.

3 hours.

Texts: Champagne, Solfège Pratique; Gedalge, L'enseignement de la musique, vols. 1-3; McHose and Tibbs, Sight-Singing Manual; Danhauser & Lemoine, Solfège des solfèges; Samuel, Quatre-vingt leçons mélodiques.

AURAL TRAINING 201. Solfeggii in all keys and with changing clefs. Transpositional drills involving clef substitution. More advanced melodic dictations with particular emphasis upon modulating melodies. Elementary two- and four-part dictation.

3 hours.

Texts: Gedalge, L'enseignement de la musique; vols. 4-10; Danhauser & Lemoine, Solfège des solfèges; Samuel, Quatre-vingt leçons mélodiques.

AURAL TRAINING 301. Difficult solfeggii involving remote modulations, chromaticism, and changing clefs. Readings from the literature including excerpts from Bach, Wagner, Hindemith, etc. Advanced melodic and harmonic dictations, the latter in chorale, fugal and other styles.

3 hours.

COMPOSITION 101. Construction of motive, phrase, and sentence preceded by analysis of melodic, rhythmic, and harmonic structures. Elementary composition in small forms.

1 hour.

COMPOSITION 201. Composition in the smaller homophonic forms such as ternary, minuet and trio, variation form. Also composition over a ground bass. These works are to be written for piano, organ, voice, or solo instrument with piano accompaniment, or for small instrumental combinations. Particular attention will be given to the influence of the medium upon the tonal materials, the patterns of accompaniment, and the texture.

1 hour.

COMPOSITION 301. Composition in the smaller homophonic forms such as the variation, suite, sonatina, and sonata-allegro form. Composition in such contrapuntal forms as the invention, passacaglia and chaconne. Also composition of figured chorale preludes and of accompanied motets. Various wood-wind combinations as well as chamber orchestra are now added to the list of media employed in the preceding course.

1 hour.

COMPOSITION 401. A continuation of Composition 301 stressing the larger cyclical homophonic forms such as the sonata and the suite. The media employed include the orchestra as well as the more intimate instrumental combinations.

1 hour; 1 hour listening period.

COMPOSITION 402. See ELECTIVE COURSES.

CONDUCTING 101. A basic course in orchestral repertoire, incorporating the study of baton techniques, placement of beats in simple and compound metres, score reading, instrumental ranges, and orchestral devices. Records and scores will constitute the materials for instruction. Qualified students will occasionally be permitted to conduct the senior orchestra during rehearsal periods.

1 hour.

COUNTERPOINT 201. Sixteenth century counterpoint (strict and free) in two, three and four parts.

1 hour.

Texts: Jeppesen, Counterpoint.

COUNTERPOINT 202. Free Counterpoint.

1 hour.

COUNTERPOINT 301. A continuation of Counterpoint 201. A large-scale mass movement or motet is to be submitted at the close of the session. Also double counterpoint and canon, and free counterpoint in the style of Bach (inventions, etc.)

1 hour.

Texts: Jeppesen, Counterpoint; Prout, Double Counterpoint and Canon.

COUNTERPOINT 302. Free Counterpoint.

1 hour.

COUNTERPOINT 401. Fugue.

1 hour.

HARMONY 101. An elementary course in written and keyboard harmony comprising a study of the following harmonic materials and techniques: triads and dominant seventh chords in all dispositions and inversions; principles of chord progression; part-writing drills; study of the conventional harmonic formulas and cadences; harmonic analysis; harmonization of melodies and unfigured basses in the Bach chorale style using triads, dominant seventh chords and elementary modulations; also the composition of phrases in chorale style.

3 hours.

Texts: McHose, Basic Principles in the Technique of 18th and 19th Century Composition; McHose and White, Keyboard and Dictation Manual.

HARMONY 201. A more advanced course in written and keyboard harmony comprising a study of the following harmonic materials and techniques: sequences and other conventional progressions; use of non-harmonic tones; secondary sevenths and altered chords; advanced part-writing problems; modulation to both related and remote keys; harmonization of melodies and unfigured basses in advanced chorale style of Bach; composition and keyboard improvisation of modulating melodies and basses; two parts in free contrapuntal style; figured chorale prelude style; thorough bass realization; harmonic analysis.

3 hours.

Texts: McHose, The Contrapuntal Harmonic Technique of the 18th Century; McHose and White, Keyboard and Dictation Manual; Bach, Organ Partitas; Bach, Little Organ Book.

HARMONY 301. A study of the harmonic materials and styles of the Viennese masters. Analysis of representative works will precede the harmonization or composition of short passages in different media based on the harmonic materials of these composers. Keyboard study will include the application of this vocabulary to the keyboard as well as specials drills in transposition, improvisation, modulation and reading from open score.

3 hours; 1 hour listening period.

Texts: Andrews, The Oxford Harmony; Schoenberg, Structural Functions of Harmony. Beethoven, Haydn, Mozart: Sonatas and Quartets, etc.

HARMONY 401. A study of the harmonic materials and styles of various groups of composers from Schubert to Debussy. Analysis of representative works will precede the composition of short pieces in different media based on the harmonic vocabularies of these masters.

2 hours; 1 hour listening period.

Texts: Andrews, The Oxford Harmony; Schoenberg, Structural Functions of Harmony. Brahms, Chopin, Debussy, Liszt, Schubert, Wagner: Selected works.

HISTORY 101. The history of the opera. An outline of the evolution of opera from 1600 to the present with musical and pictorial illustrations.

1 hour.

HISTORY 401, 402, 403. See ELECTIVE COURSES.

HISTORY AND ANALYSIS 101. Introduction to the history and literature of Western music with special emphasis upon the nature of musical materials and styles. One weekly period will be devoted to a study of analytical techniques (motivic, melodic, harmonic, and structural analysis).

4 hours.

Texts: Parrish and Ohl, Masterpieces of Music before 1750; Sachs, Our Musical Heritage; Boyden, An Introduction to Music.

HISTORY AND ANALYSIS 201. Music of the Classical and Romantic periods. A comparative study of selected masterworks of both periods aimed at a definition of the classical — romantic antithesis in terms of musical styles.

4 hours.

Text: Lang, Music in Western Civilization.

HISTORY AND ANALYSIS 301. Music of the Renaissance and Baroque periods. A study of the style and character of Renaissance and Baroque music considered both autonomously and in relation to the intellectual and aesthetic currents of these periods. The course will include detailed analyses of contrapuntal forms.

4 hours.

Texts: Apel and Davison, Historical Anthology of Music, vols. 1 and 2; Bukofzer, Music in the Baroque; Lang, Music in Western Civilization; Reese, Music in the Renaissance.

INSTRUMENTAL CLASS 101. Group instruction in wood-wind instruments. The student is required to choose one instrument for study. Solo performance of relevant parts from ensemble material of moderate difficulty. Knowledge concerning the wood-wind instruments.

1 hour.

INSTRUMENTAL CLASS 201. Group instruction in brass instruments. The student is required to choose one instrument for study. Solo performance of relevant parts from ensemble material of moderate difficulty. Knowledge concerning the brass instruments.

1 hour.

INSTRUMENTAL CLASS 301. Group instruction in stringed instruments. The student is required to choose one instrument for study. Solo performance of relevant parts from ensemble material of moderate difficulty. Knowledge concerning the stringed instruments.

1 hour.

LANGUAGE 101. A course serving to complete the special language requirement for voice students.

1 hour.

ORCHESTRATION 202. Study of the range of the various instrumental families, and scoring of simple compositions for each of these groups. Intended primarily for degree candidates in the field of School Music.

1 hour.

ORCHESTRATION 301. Study of the range and technical capacities of the various orchestral instruments. Scoring for selected instrumental combinations of such works as the Bach chorales, Mendelssohn's Songs Without Words, and Schumann's Scenes from Childhood.

1 hour.

ORCHESTRATION 302. A continuation of ORCHESTRATION 202. Scoring for different instrumental combinations of simple piano works such as Schubert's Moments Musicaux, Impromptus, etc.

1 hour.

ORCHESTRATION 401. A continuation of ORCHESTRATION 301 with special emphasis on instrumental colour. Full exploitation of the technical possibilities of the various instruments. Assignments will include the rescoring of masterworks for novel combinations.

1 hour.

VOCAL PHYSIOLOGY AND CHORAL TECHNIQUES. Study of the voice as a musical instrument. The relation of song to speech. Voice classifications and physiology of the voices of children, adolescents, and adults. Problems resulting from the improper function of the voice. Techniques of training choral groups at all levels. Problems pertaining to voice ranges, accuracy, quality, diction, interpretation, general organization, and repertory.

2 hours.

Text: Lawson, Full-Throated Ease.

FOURTH YEAR ELECTIVE COURSES

COMPOSITION 402. Radio composition and arranging. A course for composers designed to develop techniques of composing and arranging musical scores for radio, film, and television programmes. Admission only with consent of instructor.

1 hour.

HISTORY 401. Music of the mediaeval period. A survey of pre-Renaissance music from Gregorian chant to the music of Dunstable.

First term: 2 hours.

Texts: Apel and Davison, Historical Anthology of Music, vol. 1; Reese, Music in the Middle Ages.

HISTORY 402. Music of the twentieth century. A course devoted to: (a) a study of musical forms, textures, and idioms of the twentieth century; (b) an analysis of representative works by major composers of the past half century; (c) a discussion of critical writings pertaining to music of this period.

Second term: 2 hours.

Texts: Bauer, Twentieth Century Music; Salazar, Music in our Time.

HISTORY 403. Development of the orchestra from the seventeenth to the twentieth century. This course will be concerned with: (a) the recent history of orchestral instruments; (b) sociological aspects of orchestral organization and performance; (c) changing values in the art of orchestration; (d) the literature of the orchestra. Assignments will stress listening and aural analysis.

First term: 2 hours.

MUSICOLOGY 401. Introduction to Musicology.

2 hours.

PEDAGOGY 401. The pedagogy of stringed instruments. The physical nature and characteristics of these instruments. The study of basic principles and underlying instrumental instruction. The evolution of these instruments and the development of their individual repertoires. Traditional and contemporary methods of instruction.

1 hour.

PEDAGOGY 402. The pedagogy of the piano. Examination of existing piano teaching methods and materials. Elementary psychology as applied to piano teaching. Physiology: the muscular construction of the hand and the arm. The mechanism of the piano and its relation to touch and technique. The development of technique from the initial through all subsequent grades. Methods of teaching technique, interpretation, phrasing, pedalling, fingering, memorizing, practice routine, ear-training, sight-reading, demonstration lessons. The piano teacher's library. The business end of teaching.

1 hour.

PEDAGOGY 403. The pedagogy of the organ. Methods of teaching pure technique, registration, touch, interpretation. The execution of ornaments. The organist's repertoire. Service playing and accompaniment. Improvisation. Methods of programme building. Sight-reading and score reading. Elements of organ construction.

1 hour.

PEDAGOGY 404. The pedagogy of singing. Examination of various methods of voice production. Physiology of the voice—a detailed study of the function of the larynx in speech and singing. Registers of the voice and voice classification. Breath control and diction. Tone placement in speech. Suitable studies and songs for the different types of vocal student. A general knowledge of vocal repertoire: art songs, opera, and oratorio arias. Discussion of the teacher's personal approach to the student. Demonstration lessons.

1 hour.

COURSES IN THE INSTITUTE OF EDUCATION

SCRIPTURE. The historical and literary background of the Bible.

PHYSICAL EDUCATION. Indoor games, field sports, apparatus work, social and folk rhythms.

ACADEMIC. (continuation).

EDUCATION 1. The growth and Development of Children. A study of the general characteristics of physical, social and emotional development in children.

EDUCATION 3. Educational Psychology. Growth and development of children through adolescence. Psychology of learning. Individual differences. Growth and development of personality. Testing measurement. Mental hygiene and educational guidance.

EDUCATION 4. The History of Education in Western Society. The history of education in Europe and America including a comparative study of systems of public education in the countries of Western Europe, in the United States and in Canada.

EDUCATION 10. General Educational Practice.

(a) Curriculum organization, lesson planning, teaching media and methods, individualization of instruction, evaluation and testing, school law.

(b) Audio-visual methods and materials, projection operation, the use of films and filmstrips, radio, models and displays, field trips.

(c) Organization and preparation of teaching materials for one of the following: the Primary Department, the Elementary School, the Junior High School.

EDUCATION 12. Subject methods.

a Language Arts. Language, reading literature.
b " " Spelling, writing, childhood education.
d Health and Recreation.
f Science.
i Social Studies.
h Art.
g Music.

EDUCATION 20. Observation and Classroom Practice.

Practice teaching in areas listed under Education 12 with emphasis on music teaching.

ACADEMIC CONTINUATION COURSES

For Mus.B. candidates in **COMPOSITION:**

I. In English:

FIRST YEAR	English 100
SECOND YEAR	One of English 200 (Shakespeare) English 210 (XVII C) English 220 (XVIII C) English 230 (XIX C)
THIRD AND FOURTH YEAR	Two of English 218a (Sidney & Spenser) & 315b (XV & XVI C) English 330 (Drama since 1600) English 335 (The Novel) English 345 (Prose since Bacon) English 350 (Milton) English 380 (Utopias)

II. In Fine Arts:

SECOND YEAR	Fine Arts 201 (Introductory)
THIRD YEAR	Fine Arts 301 (Modern Art)
FOURTH YEAR	Fine Arts 401a (Renaissance) and 401b (History of Art)

III. In German:

FIRST YEAR	German 1
SECOND YEAR	German 2 (Language)
THIRD YEAR	One of German 5 (Language) German 7 (Language & Literature)
FOURTH YEAR	One of German 8 (XVIII C) German 9 (XIX C)

IV. In History, Political Science & Economics:

FIRST YEAR	One of Economics 100 (Economic History) History 100 (European Civilization)
SECOND YEAR	One of History 210 (Great Britain) History 215 (E. Europe from the V.C.) Political Science 211G (Comparative Government)
THIRD YEAR	One of History 325 History 326 Political Science 311
FOURTH YEAR	One of History 320 (Background of Contemporary Europe) History 410 (European Thought since the Renaissance)

V. In Latin:

FIRST YEAR	Latin 11 (Language)
SECOND YEAR	One of Latin 21 (Vergil) Latin 22 (Pliny)
THIRD YEAR	One of Latin 31 (Cicero, Livy, Ovid) Latin 32 (Vergil, Sallust)
FOURTH YEAR	One of Latin 41 Latin 42

VI. In Philosophy:

SECOND YEAR	Philosophy 1 (Introduction)
THIRD YEAR	Philosophy 2 (Ethics)
FOURTH YEAR	One of Philosophy 4 (Aesthetics) Philosophy 5 (Greek) Philosophy 6 (Modern) Philosophy 7 (Mediaeval & Renaissance)

VII. In French:

FIRST YEAR	One of French 11 French 12
SECOND YEAR	French 21 (Literature)
THIRD YEAR	One of French 31 (XVII C) French 32 (XVIII C)
FOURTH YEAR	One of French 43 (XIX & XX C) French 41 (Modern France) French 42 (XIX C)

VIII. In Spanish:

FIRST YEAR	Spanish 11 (Language)
SECOND YEAR	One of Spanish 21 (Language) Spanish 22 (Literature)
THIRD YEAR	One of Spanish 31 Spanish 32 Spanish 33 (Literature)
FOURTH YEAR	One of Spanish 41 Spanish 42 Spanish 43 (Literature)

IX. In Italian:

FIRST YEAR	Italian 11 (Language)
SECOND YEAR	Italian 21 (Language and Literature)
THIRD YEAR	One of Italian 25 Italian 31 (Literature)
FOURTH YEAR	Italian 41

N.B. In all cases, selection of courses will be governed by the stated prerequisites. See also Calendar of FACULTY OF ARTS AND SCIENCE, for additional information.

2. For Mus.B. candidates in PERFORMANCE and SCHOOL MUSIC:

I. In English:

SECOND YEAR	English 100
THIRD YEAR	One of English 200 (Shakespeare) English 210 (XVII C) English 220 (XVIII C) English 230 (XIX C)
FOURTH YEAR	One of English 318a (Sidney & Spenser) & 315b (XV & XVI C) English 330 (Drama since 1660) English 335 (The Novel) English 345 (Prose since Bacon) English 350 (Milton) English 380 (Utopias)

II. In Fine Arts:

SECOND YEAR	Fine Arts 201 (Introductory)
THIRD YEAR	Fine Arts 301 (Modern Art)
FOURTH YEAR	Fine Arts 401a (Renaissance) and 401b (History of Art)

III. In German:

SECOND YEAR	German 2 (Language)
THIRD YEAR	One of German 5 (Language) German 7 (Language & Literature)
FOURTH YEAR	One of German 8 (XVIII C) German 9 (XIX C)

IV. In History, Political Science & Economics:

SECOND YEAR	One of Economics 100 (Economic History) History 100 (European Civilization)
THIRD YEAR	One of History 210 (Great Britain) History 215 (E. Europe from the V.C.) Political Science 211G (Comparative Government)
FOURTH YEAR	One of Political Science 311 (Political Theory) History 320 (Background of Contemporary Europe) History 410 (European Thought since the Renaissance)

V. In Latin:

SECOND YEAR	Latin 11 (Language)
THIRD YEAR	One of Latin 21 (Vergil) Latin 22 (Pliny)
FOURTH YEAR	One of Latin 31 (Cicero, Livy, Ovid) Latin 32 (Vergil, Sallust)

VI. In Philosophy:

SECOND YEAR	Philosophy 1 (Introduction)
THIRD YEAR	Philosophy 2 (Ethics)
FOURTH YEAR	One of Philosophy 4 (Aesthetics) Philosophy 5 (Greek) Philosophy 6 (Modern) Philosophy 7 (Mediaeval & Renaissance)

VII. In French:

SECOND YEAR	One of French 11 French 12
THIRD YEAR	French 21 (Literature)
FOURTH YEAR	One of French 31 (XVII C) French 32 (XVIII C) French 41 (Modern France) French 42 (XIX C) French 43 (XIX & XX C)

VIII. In Spanish:

SECOND YEAR	Spanish 11 (Language)
THIRD YEAR	One of Spanish 21 (Language) Spanish 22 (Literature)
FOURTH YEAR	One of Spanish 31 Spanish 32 Spanish 33 (Literature) Spanish 41 Spanish 42 Spanish 43 (Literature)

IX. In Italian:

SECOND YEAR	Italian 11 (Language)
THIRD YEAR	Italian 21 (Language and Literature)
FOURTH YEAR	One of Italian 25 Italian 31 (Literature) Italian 41

N.B. In all cases, selection of courses will be governed by the stated prerequisites. See also Calendar of FACULTY OF ARTS AND SCIENCE, for additional information.

DEPARTMENT OF KEYBOARD AND VOCAL MUSIC

PRACTICAL COURSES

N.B. Practical courses in the Faculty and in the Senior Department of the Conservatorium are numbered according to the following plan.

	Degree Courses	Diploma Courses
First Year	*101*	*110 (Associate)*
Second Year	*201* *202 (Professional Instructor — Voice Only)*	*210 (First Licentiate)*
Third Year	*301* *302 (Professional Instructor)*	*310 (Second Licentiate)*
Fourth Year	*401* *402 (Professional Instructor)*	

Diploma courses may not be substituted for degree courses and vice-versa.

PIANO

The complete list of exercises and studies referred to in the subsequent piano courses is enumerated below. To conserve space these works will be referred to in the text by means of letter symbols rather than by their full title.

A-PD — Aronson, Pianist's Digest
B-E — Beringer, Exercises
C-GP — Clementi, Gradus ad Parnassum
Ch-Et — Chopin, Etudes
Cor-RPT — Cortot, Rational Principles of Piano Technique
Cr-ET — Cramer (Buelow), Etudes
Cz-AFD — Czerny, The Art of Finger Dexterity, Op. 740
P-PE — Pischna, Progressive Exercises

PIANO 101

Scales: All major, minor (melodic and harmonic), and chromatic scales at the distance of an octave, third, sixth, and tenth, through four octaves. These are studied in both similar and contrary motion, beginning with either the highest or the lowest note, legato and staccato, forte and piano. Also all major scales in double thirds and double octaves through two octaves in similar motion.

Arpeggios: Common chords as well as dominant and diminished seventh chords at the distance of an octave, third, sixth, and tenth, through four octaves. These are studied in both similar and contrary motion, beginning with either the highest or the lowest note, legato and staccato, forte and piano. Also all common chords in double octaves, beginning with either the highest or the lowest note.

Exercises and Studies: A-PD; C-GP (any one); Cor-RPT; Cr-Et (any one); Cz-AFD (any two); P-PE (Nos. 1-12).

Prepared Pieces: Candidates are required to submit the titles of four pieces which they will have studied during the year. The titles will be selected from the list given under Piano 110. Adequate mastery of the technical and musical problems occurring in these pieces must be demonstrated. A complete performance from memory is required in the case of only one piece to be selected by the candidate.

PIANO 110

Scales and Arpeggios: The same as for Piano 101.

Exercises and Studies: The same as for Piano 101.

Prepared Pieces: Candidates are required to perform one selection from each of the following four groups:

I.	Bach	English Suite in G Minor (Prelude or any two movements). Partita in B Flat Major (any two movements). The Well-Tempered Clavier (any Prelude and Fugue).
	Couperin	Ordres (Nos. 1-5: any two movements).
	Rameau	L'Egyptienne. Les Tendres plaintes. La Villageoise.
II.	Bach (W.F.) . .	Sonatas (any one).
	Bach (K.P.E.) .	Sonatas (any one).
	Beethoven . . .	Sonata Op. 2 No. 2 (first movement). Sonata Op. 2 No. 3 (first movement). Sonata Op. 27 No. 1 (first movement). Sonata Op. 31 No. 2 (last movement).
	Galuppi	Sonatas (any one).
	Haydn	Sonatas (first and second, or second and third movement of any late sonata).
	Mozart	Sonata in A Major, K. 331. Sonata in B Flat Major, K. 333 (first movement). Sonata in D Major, K. 576 (first movement).
III.	Brahms	Intermezzo Op. 117 No. 3. Intermezzo Op. 119 No. 2.

	Chopin	Mazurka Op. 17 No. 4. Mazurka Op. 24 No. 2. Mazurka Op. 30 No. 2. Mazurka Op. 33 No. 2. Mazurka Op. 33 No. 4.
	Chopin	Nocturne Op. 9 No. 1. Nocturne Op. 32 No. 1. Waltz Op. 34 No. 3. Waltz Op. 69 No. 1.
	Liszt	Valse oubliée No. 1.
	Mendelssohn . .	Songs without Words Op. 30 No. 5.
	Schubert	Moments musicaux Op. 94 (Nos. 1 and 6 or any of the remaining pieces in this opus group).
	Schumann . . .	Fantasy — Pieces Op. 12 (No. 1, or Nos. 3 and 4). Papillons (Introduction and any two). Scenes from Childhood (any three).
IV.	Bartok	Hungarian Peasant Songs (any three).
	Debussy	Preludes (Book 1: "Voiles"). Children's Corner ("The Snow is Dancing").
	Robert Fleming .	Sonatina.
	Granados . . .	Spanish Dances (any one).
	Scriabine . . .	Etude in C Sharp Minor.
	Shostakovitch . .	Three Fantastic Dances Op. 1.

PIANO 201

Scales: The same as for Piano 101. Also all minor and chromatic scales in double thirds and double octaves, through two octaves, in similar motion.

Arpeggios: The same as for Piano 101. Also all dominant and diminished seventh chords in double octaves, beginning with either the highest or the lowest note.

Exercises and Studies: A-PD; Cor-RPT. Any two etudes from: C-GP; Cr-Et; Cz-AFD; Ch-Et. Also P-PE (any ten from No. 13 to the end), or B-E (any ten). Note however that the study prepared for the previous examination may not be included. This rule applies as well to prepared pieces and is binding for all subsequent grades.

Prepared Pieces: Candidates are required to perform one selection from each of the four groups listed under PIANO 110.

PIANO 210

Scales and Arpeggios: The same as for Piano 201.

Exercises and Studies: A-PD; Cor-FPT; B-E (any ten). Any three etudes from Cr-Et; C-GP; Cz-AFD. Also P-PE (any ten from No. 13 to the end).

Prepared Pieces: Candidates must prepare and submit for approval a programme of five works comprising one representative work from each of the following periods:

I. Baroque — e.g.

Bach	Italian Concerto. Partitas. Suites. The Well-Tempered Clavier (any prelude and fugue).
Couperin . . .	Ordres.
Handel	Suites.
Rameau	Ordres.
D. Scarlatti . .	Sonatas.

II. Classical — e.g.

Beethoven . . .	Concertos (first or last movement of any of the piano concertos with cadenza). Sonatas.
Haydn	Sonatas.
Mozart	Concertos (first or last movement of any of the piano concertos with cadenza). Sonatas.

III. Romantic — e.g.

Brahms	Ballades. Intermezzi. Rhapsodies.
Chopin	Ballade in A Flat Major. Berceuse. Etudes. Polonaises.
Liszt	Etudes ("Forest Murmur", "Un Sospiro"). Polonaise in E Major.
Mendelssohn . .	Rondo Capriccioso.

Schubert . . . . Impromptus (any two).
Sonata Op. 120.

Schumann . . . Carneval de Vienne.
Fantasiestücke.
Kreisleriana.
Novelettes.

IV. Impressionist — e.g.

Debussy . . . . Children's Corner.
Images.
Preludes.
Reflets dans l'eau.
Suite bergamasque.

Ravel . . . . . Jeux d'eau.
Sonatine.

V. Contemporary — e.g.
Works of: Bartok, Howard Fergusson, Hindemith, Milhaud, Poulenc, Shostakovitch, Villa-Lobos, etc.

PIANO 301

Scales and Arpeggios: The same as for Piano 201.

Exercises and Studies: B-E (any ten). Also any three from: C-GP; Cr-Et; Cz-AFD.

Prepared Pieces: The same as for Piano 210.

PIANO 302

Scales, Arpeggios, Exercises and Studies: The same as for Piano 301.

Prepared Pieces: Candidates must prepare a previously approved sonata programme consisting of one each of sonatas by Scarlatti, Mozart, Beethoven, and by one Romantic composer.

Pedagogy: Candidates are required to demonstrate their pedagogical skill in instructing a beginner in basic principles. In addition, candidates will be examined as to their knowledge of, and ability to demonstrate, underlying principles of fingering. Also application of these principles in the scales, arpeggios, exercises, studies and prepared pieces.

PIANO 310

Prepared Pieces: The performance, from memory, of a previously approved representative recital programme, also to be given in public. The examination also calls for the performance of one piano concerto (e.g. Bach, Mozart, Beethoven, Chopin, Schumann, Liszt, Grieg, Tschaikovsky, Brahms (D Minor), Rachmaninoff (C Minor).

PIANO 401

The same as Piano 310.

PIANO 402

Prepared Pieces: Candidates are to perform a previously approved programme of five works as in Piano 301 (210).

Pedagogy: Candidates must demonstrate their skill in analyzing technical and musical problems involved in teaching the following: hand- and arm-position, relaxation, principles of fingering, legato and staccato touch, pedalling, execution of ornaments, phrasing, differences of style according to historical period of composition, differences of teaching method.

ORGAN

ORGAN 101

Scales: All major, minor (melodic and harmonic), and chromatic scales played with varying degree of touch and speed:

(a) manuals only, hands together at octave, third, and sixth through three octaves;

(b) pedals only, through the full extent of the pedal board;

(c) manuals and pedals, the hands at the interval of an octave with the pedals.

Arpeggios: Common chords, major and minor, in the keys of C, D flat, D, E flat, E, and F;

(a) manuals only through three octaves;

(b) pedals only through two octaves;

(c) one hand and pedals combined in similar and contrary motion.

Prepared Pieces: [1] At the examination the candidate will be required to play the whole of either:

List A: Bach, Ein' Feste Burg (XVIII) [2], Willan, Prelude and Fugue in B Minor; Frank Bridge, Prelude;

or

List B: Bach, Aria in F (XII); Harold Darke, Prelude on a Theme by Tallis; Max Reger, Benedictus.

[1] At the examination questions will be asked concerning the registration of the prepared pieces. This applies as well to the examinations for subsequently listed organ courses.

[2] Bracketed Roman numerals in the present section (Organ) refer to volume numbers in the recommended Novello edition of Bach's organ works.

ORGAN 110

Scales and Arpeggios: The same as for Organ 101.

Prepared Pieces: At the examination the candidate will be required to play the whole of either:
List A: Bach, Prelude and Fugue in A (III, p. 64); Harold Darke, Prelude on "St. Peter"; Hindemith, Sonata No. 2; *or*
List B: Bach, Christ ist erstanden (three verses) (XV); Schumann, No. 1 of four Sketches (ed. Biggs); Franck, Cantabile in B.

ORGAN 201

Scales: All major, minor (melodic and harmonic), and chromatic scales played with varying degrees of touch and speed: (a) and (b) as for Organ 101 but with increased proficiency, (c) manuals (both hands) and pedals at intervals of octave, third, and sixth in similar motion.

Arpeggios: Common chords in similar motion in all keys, manuals and pedals combined.

Prepared Pieces: At the examination the candidate will be required to play the whole of either:
List A: Bach, Sonata No. 2 (IV); Brahms, Herzlich tut mich verlangen; Langlais, Française (Suite Française); *or*
List B: Bach, Valet will ich dir geben (XIX); Mendelssohn, Sonata No. 2; Arthur Egerton, An Easter Prelude.

ORGAN 210

Scales: All major, minor (melodic and harmonic), and chromatic scales played with varying degrees of touch and speed:

(a) manuals only in similar and contrary motion, beginning with either the highest or lowest notes, at intervals of an octave, third and sixth, — also double thirds in similar motion only;

(b) pedals only, single notes and octaves;

(c) manuals and pedals together, one note to each hand, and pedals at intervals of octave, third, and sixth, with all variations of similar and contrary motion.

Arpeggios: Common chords in similar and contrary motion in all keys, manuals and pedals combined.

Prepared Pieces: At the examination the candidate will be required to play the whole of either:
List A: Bach, Toccata in F (IX, p. 176); Mendelssohn, Sonata No. 3; Franck, Pastorale; *or*
List B: Bach, Prelude and Fugue in B Minor (VII, p. 52); Howells, Sarabande for the Morning Star of Easter; Dupre, Fifteen Pieces for Organ (any three pieces).

ORGAN 301

Scales and Arpeggios: The same as for Organ 210.

Prepared Pieces: At the examination the candidate will be required to play the whole of either:

—List A: Bach, "Dorian" Toccata and Fugue (X, p. 196); Mendelssohn, Allegretto from Sonata No. 4; Widor, Symphony No. 6 (first movement); *or*

—List B: Bach, Sonata No. 6 (V); S.S. Wesley, Choral Song and Fugue; Langlais, Suite Française (Nazard).

ORGAN 302

Scales and Arpeggios: The same as for Organ 210.

Prepared Pieces: At the examination the candidate will be required to play the whole of either:

—List A: Bach, Fantasia in G (IX, p. 168); Rheinberger, Allegro non troppo from Sonata No. 5; Messiaen, Le Banquet céleste; *or*

—List B: Bach, Fugue in E Flat (XVI); Saint-Saens, Prelude in B; Langlais, Elevation (Hommage à Frescobaldi).

Pedagogy: The candidate will also be examined upon his knowledge of, and ability to demonstrate, the basic principles of fingering and pedalling, and their application in the scales, arpeggios, exercises, and pieces prepared. He will, in addition, be required to demonstrate his pedagogical skill in instructing a beginner in basic principles.

ORGAN 310

Prepared Pieces: The candidate will be required to present a public recital of one hour duration with selections from the ensuing list as well as additional items of the candidate's own choice.

Bach, Toccata, Adagio and Fugue (IX, p. 137); Bach, Variations on "Sei gegruesset, Jesu, gutig" (XIX); Bach, Concerto in A Minor (XI); Bach, Prelude and Fugue in D Major (XI); Mozart, Fantasia in F Minor; Liszt, Prelude and Fugue on BACH; Franck, Chorale No. 3; Dupre, Variations on a Noel; Willan, Introduction Passacaglia and Fugue; Hindemith, Sonata No. 1; Sowerby, Air with Variations; Jehan Alain, Litanies.

ORGAN 401

Prepared Pieces: The same as for Organ 310.

ORGAN 402

Prepared Pieces: At the examination the candidate will be required to play the whole of either:
—List A: Bach, An Wasserflussen Babylon (five part) (XVIII, p. 13); Elgar, Sonata in G (first movement); Jehan Alain, Le Jardin suspendu; *or*
—List B: Bach, Prelude in E Flat (XVI); Bairstow, Prelude on Vexilla Regis; Harold Darke, A Fantasy.

Pedagogy: The candidate must also demonstrate his skill in analyzing all technical and musical problems involved in teaching, such as bodily positions, principles of fingering and pedalling, varieties of touch, execution or ornaments, phrasing, registration, differences of style according to historical period of composition, differences of teaching methods. The candidate must also give a pedagogical demonstration of instruction with an advanced pupil (Organ 10-11). There will be an assessment of results with young student assigned to the candidate for regular teaching at the beginning of the year.

HARPSICHORD

HARPSICHORD 101

Introduction to figured bass playing. (Recommended text; R.O. Morris, Figured Harmony at the Keyboard.) More advanced study of the different keyboard schools and of ornaments. Special finger exercises for harpsichord touch and technique. Sample repertoire: Bach, Three-Part Inventions; Bach, French Suites; Blow, Ground; Rameau, Les tendres plaintes; Scarlatti, Study in G.

HARPSICHORD 201

Further study of figured bass. Continuo and sonata playing. Study of concertos for harpsichord. Sample repertoire: Bach, Concerto in F Minor; Bach, Preludes and Fugues; Bach, Suite in B Minor for Flute, Strings and Continuo; Handel, Sonatas for Violin and Harpsichord; Scarlatti, Sonatas.

VOICE

VOICE A 101. (Concert: Lied-Oratorio) Continuation and extension of technical exercises and studies listed under Voice 10 and 11 (Junior Department of the Conservatorium) as well as Randegger's Singing Primer. (Exercises on pages 38, 41, 48, 102, 104, 107, 161 selected according to voice.) Extension of repertoire of traditional German, French, English, and modern songs. Study of suitable parts from the oratorio and cantata literature. Examination requirements: 3 studies of a contrasting nature, 4 Songs (1 each of German, French, English, and modern songs). 1 excerpt each from Oratorio and Cantata.

VOICE B 101. (Opera) Thorough study of early Italian, French, and English opera. Opera buffa; opera seria.

VOICE A 110. The same as Voice A 101-201.

VOICE B 110. The same as Voice B 101-201.

VOICE A 201. Continuation and extension of Voice A 101.

VOICE B 201. Continuation and extension of Voice B 101. Also early German Opera; singspiel; light opera.

VOICE 202. The same as Voice B 101.

VOICE A 210. The same as Voice A 201-301.

VOICE B 210. The same as Voice B 201-301.

VOICE A 301. Candidates must prepare a previously approved programme of three groups, comprising examples from the oratorio and cantata literature, early Italian or French opera, German Lieder, French art-songs, contemporary songs.

VOICE B 301. Nineteenth century grand opera. Wagner, Verdi, Meyerbeer, Saint-Saens, Puccini, etc. Candidates must be prepared to participate in the stage-productions of the opera-school and must know at least one complete leading role and one complete minor role from among the works of any of the above-named composers.

VOICE 302. The requirements are the same as for Voice 301. In addition, the candidate will be examined as to his knowledge of, and ability to demonstrate, underlying technical principles and their application to the pieces prepared, and will have to show his pedagogical skill in instructing a beginner in basic principles.

VOICE A 310. The performance of a previously approved representative song-recital programme, also to be given in public. The examination also calls for a complete solo cantata, or a complete oratorio part, as well as a demonstration of the candidate's practical acquaintance with the general repertoire of the concert-singer.

VOICE B 310. The candidate must know three leading operatic roles from three different periods (e.g.: one Mozart, one Rossini; one Wagner, Verdi, or Puccini), as well as three minor operatic roles from the eighteenth or nineteenth century repertory.

VOICE A 401. The same as Voice A 310.

VOICE B 401. Same as Voice B 310.

VOICE 402. The candidate will have to perform a previously approved programme of songs, and excerpts from the cantata, oratorio, and opera literature. In addition, he will have to demonstrate his ability in analyzing all technical and musical problems involved in teaching: voice classification, voice production, tone placement, breath control, diction, phrasing, differences of style according to historical period and type of composition, differences of teaching methods (Italian, German, French schools). The candidate will also have to give a pedagogical demonstration of instruction with advanced pupil (Voice 10). There will be an assessment of results with young student assigned to candidate at beginning of the year. Also required: a practical knowledge of teaching materials as well as of the concert-singer's general repertoire, including operatic arias.

ENSEMBLE COURSES

(A) KEYBOARD:

PIANO ACCOMPANIMENT 101. Accompaniment of songs and arias by pre-classical, and romantic composers. In conjunction with regular singing classes.

1 hour.

PIANO ACCOMPANIMENT 201. Songs by Debussy, Franck, Mahler, Richard Strauss, Wolf, and contemporary composers. Analysis of differences between solo and accompaniment playing.

1 hour.

PIANO ENSEMBLE 101. The object of this course is to develop sight-reading and pianistic team-work, and to promote an acquaintance with original works for the medium, as well as with four-hand arrangements of the chamber music and symphonic literature. Works and arrangements of works by Beethoven (Septet, Symphonies — Vols. I and II), Clementi, Haydn, Mozart, Mendelssohn (Octet), Schubert, and Weber.

1 hour.

PIANO ENSEMBLE 201. Overtures of Wagner and Weber. Symphonies of Beethoven (Vols. IV-VIII), Haydn, Mendelssohn, Mozart, Schubert, and Schumann, as well as those of Bruckner, Franck, and Mahler. Symphonic poems of Richard Strauss. Original music for two pianos by Arensky, Chopin, Rachmaninoff, Reger, etc.

1 hour.

(B) OPERA:

ACTING 201. History of acting in opera. Stage terms. Stage deportment. Methods of interpretation through mime. Schools of expression. Analysis of different acting styles in opera. Practical work: grouping, miming, moving. Scene miming from standard operas.

1 hour.

REPERTORY COACHING 201. In conjunction with Voice B 201.

1 hour.

REPERTORY COACHING 301. In conjunction with Voice B 301.

1 hour.

REPERTORY COACHING 401. In conjunction with Voice B 401.

1 hour.

STAGING 301. History of mise en scène. Production elements of opera: music, libretto, singers, chorus, orchestra conductor, ballet, stage, prompter, building, lighting, scenery, costumes, props.

1 hour.

STAGING 401. The production of an opera from start to performance.

1 hour.

(C) CHORUS:

CHORAL CONDUCTING 301. A basic course in choral technique, choir psychology, and conducting methods. Special attention will be given to intonation, blend, tone, diction, and phrasing. Choral literature will be studied up to J. S. Bach, and students will conduct a Bach cantata.

1 hour.

CHORAL CONDUCTING 401. A course in conducting choral music of the Romantic and Contemporary schools. Score study and preparation. Students will have the opportunity of conducting the Conservatorium Choir.

1 hour.

CHURCH CHORAL MUSIC 301. A survey of religious choral music until 1700. The use of the hymn in worship. Organization and management of the church choir.

1 hour.

CHURCH CHORAL MUSIC 401. Religious choral music from 1700 to the present day. Available materials for church choirs will be studied and performed. The relationship of the choir director to the minister, the congregation, and the church will be discussed.

1 hour.

COLLEGIUM MUSICUM 101. A course in Renaissance vocal ensemble music including the English, Franco-Flemish, German, and Italian schools. Special attention will be given to styles and interpretation, and the international phonetic alphabet will be used for language diction.

2 hours.

COLLEGIUM MUSICUM 201. A continuation of Collegium Musicum 101, with emphasis on Baroque and contemporary ensemble music in which solo singing participation and instruction play an important part.

2 hours.

CONSERVATORIUM CHOIR. Detailed study and performance of choral literature selected from the great schools of choral composition. The programme provides a four-year comprehensive survey of choral music.

2 hours.

FOURTH YEAR ELECTIVE COURSES

ORGAN REPERTORY 401. This course is intended to supplement Organ 401 by giving Fourth Year organ students the opportunity to perform and discuss the masterworks of the Organ within a class group. The elements of style, form, registration, interpretation, programme-design, performer — and audience — psychology, and music-criticism will be examined.

1 hour.

PIANO REPERTORY 401. This course is intended to supplement Piano 401 by giving Fourth Year piano students the opportunity to perform and discuss the masterworks of the Piano, within a class group. The elements of style, form, interpretation, programme-design, performer — and audience — psychology, and music-criticism will be examined.

1 hour.

RADIO 401: RADIO PROGRAMMING, CONTINUITY WRITING, AND ANNOUNCING. Programming of musical, dramatic, and variety broadcasts. Elements involved; choice and arrangement of material. Continuity writing for musical, dramatic, variety, and miscellaneous programmes: formats, research, style. Announcing. Techniques of voice production. Vocabulary. Style. Reading. Functions of announcer. Sustaining programmes, commercials. The history of radio.

1 hour.

RADIO 402: RADIO MUSIC PRODUCTION AND STUDIO TECHNIQUES. The development of broadcasting. Acoustics in broadcasting; analysis of acoustical reports to determine studio characteristics. Studio equipment: microphones, control-board, disc-and tape-recorder. Production team: artist,

announcer, technician, producer. Studio techniques: solo recital, instrumental ensemble, studio orchestra, concert orchestra. Casting office. Auditioning procedures. Legal regulations in broadcasting. Attendance at live broadcasts and rehearsals.

1 hour.

DEPARTMENT OF ORCHESTRAL INSTRUMENTS

PRACTICAL COURSES

(N.B. For numbering plan of courses please refer to page 2138.)

VIOLIN

VIOLIN 101

Scales: All major and minor (melodic and harmonic) scales in thirds and sixths, one note to each bow, through two octaves. Also all scales through three octaves with four different bowings. Chromatic scales through two octaves, starting from G, B flat, and D.

Arpeggios: All major and minor chords through three octaves. Dominant seventh chords in all keys through three octaves.

Prepared Pieces: Candidates must perform any one etude from the works of each of the following composers: Dont, Fiorillo, Gavinies, Kreutzer, Rode, Rovelli.

VIOLIN 110

Scales and Arpeggios: The same as for Violin 101.

Prepared Pieces: The same as for Violin 101. Candidates must also perform one selection from each of the following groups:

I. Sonatas — Beethoven, Sonata in F Major, Op. 24; Beethoven, Sonata in G Major, Op. 30 No. 3.

II. Concertos (first or second and third movement with cadenzas) — Mendelssohn, Concerto in E Minor; Mozart, Concerto in D; Mozart, Concerto in A.

VIOLIN 201

Scales: All major and minor (melodic and harmonic) scales in thirds, sixths, octaves, and tenths, one note to each bow and two notes slurred, through two octaves. Chromatic scales through two octaves, beginning on any note.

Arpeggios: All major and minor chords through three octaves. In octaves and tenths through two octaves. Also dominant and diminished seventh chords in all keys through three octaves.

Prepared Pieces: Campagnoli, Divertissements (Nos. 2 and 6). Dont, Studies Op. 37 (any one of the last three); Paganini, Caprices Op. 1 (Nos. 13 and 24); Wieniawski, L'Ecole Moderne Op. 10 (Nos. 1 and 3).

VIOLIN 210

Scales and Arpeggios: The same as for Violin 201.

Prepared Pieces: The same as for Violin 201. Candidates must also perform one selection from each of the following groups:

I. Sonatas — Brahms, Sonata in A Major; Dohnanyi, Sonata.

II. Concertos — Bruch, Concerto in G Minor; Lalo, Symphonie Espagnole (first, fourth, and fifth movements).

VIOLIN 301

Prepared Pieces: The performance of a previously approved sonata recital programme of approximately one hour duration, consisting of classical, romantic and contemporary works. After the examination a public recital may be required. Suggested works: any of the Mozart, Beethoven, or Brahms sonatas, as well as those by Dohnanyi, Franck, Debussy, Ravel, Faure, Prokofieff, Copland or a Canadian composer.

VIOLIN 302

Scales and Arpeggios: Knowledge and demonstration of underlying technical principles involved in the performance of all scales and arpeggios of previous grades using at least three different bow groupings.

Prepared Pieces: Knowledge and demonstration of underlying technical principles involved in the performance of the following studies: Campagnoli, Divertissement (Nos. 2 and 6); Dont, Studies Op. 37 (any two of the last six); Paganini, Caprices Op. 1 (Nos. 13, 17 and 24); Wieniawski, L'Ecole Moderne Op. 10 (Nos. 1, 3, and 5).

Pedagogy: A pedagogical demonstration with young student is required.

VIOLIN 310

Prepared Pieces: The performance from memory of a previously approved recital programme lasting one hour. After examination a public recital is required. The order of the programme should be as follows:

(1) Unaccompanied suite — e.g. any one of the Bach suites or sonatas for unaccompanied violin.

(2) Concerto — e.g. any one of the Mozart, Beethoven, Brahms, Saint-Saens (B Minor), Bruch (G Minor or D Major), Glazounov, Prokofieff (Op. 19 No. 1), Elgar, or Walton concerti; also Lalo's Symphonie espagnole.

(3) Group of pieces — e.g. Bloch, "Baal Shem" Suite; Nin, Suite espagnole; Szymanowski, La Fontaine d'Arethuse.

Any contemporary works of a similar nature may be presented, including a work by a Canadian composer (unaccompanied suite, concerto, or group of pieces).

VIOLIN 401

The same as Violin 310.

VIOLIN 402

Prepared Pieces: The requirements are the same as those for Violin 301.

Pedagogy: The candidate will have to give a pedagogical demonstration of instruction with advanced pupil (Violin 10-11). There will be an assessment of results with young student assigned to candidate for teaching at the beginning of the year. The candidate will, in addition, be required to demonstrate his skill in analyzing technical and musical problems involved in teaching, e.g. bowing, fingering, detached and slurred playing, varieties of tone, vibrato, execution of ornaments, phrasing and differences of style according to historical period of composition, differences of teaching methods.

VIOLA

VIOLA 101

Scales: All major and minor (melodic and harmonic) scales in thirds and sixths, one note to each bow, through two octaves. Also all scales through three octaves with four different bowings. Chromatic scales through two octaves, starting from G, B flat, and D.

Arpeggios: All major and minor chords through three octaves. Dominant seventh chords in all keys through three octaves.

Prepared Pieces: Candidates must perform any one etude from the works of each of the following composers: Dont, Fiorillo, Kreutzer, Rode, and Rovelli.

VIOLA 110

Scales and Arpeggios: The same as for Viola 101.

Prepared Pieces: The same as for Viola 101. Candidates must also perform one selection from each of the following groups:

I. Sonatas — Handel, Sonata in C Major; Vivaldi, Sonata in G Minor.

II. Concertos — Stamitz, Concerto in D; Telemann, Concerto in G.

VIOLA 201

Scales: All major and minor (melodic and harmonic) scales in thirds, sixths, and octaves, one note to each bow and two notes slurred, through two octaves. Chromatic scales. through two octaves, beginning on any note.

Arpeggios: All major and minor chords through three octaves. In octaves through two octaves. Dominant and diminished seventh chords in all keys through three octaves.

Prepared Pieces: Any two studies from the books of Campagnoli, Gavinies, Paganini.

VIOLA 210

Scales and Arpeggios: The same as for Viola 201.

Prepared Pieces: The same as for Viola 201. Candidates must also perform one selection from each of the following groups:

I. Sonatas — Boccherini, Sonata in G; Schubert, Arpeggione Sonata.

II. Suite or Concerto — J. Chr. Bach, Concerto; Handel, Concerto; Tchemberdchy, Suite; Vaughan Williams, Suites (any one of three).

VIOLA 301

Prepared Pieces: The performance of a previously approved sonata recital programme of approximately one hour duration, consisting of classical, romantic, and contemporary works. After the examination a public recital may be required. Suggested works: Bach, Gamba Sonatas; Brahms, Sonata in E flat; Brahms, Sonata in F minor; Honegger, Sonata; Marcello, Sonata in F; Milhaud, Sonata No. 1; Vitali, Chaconne.

VIOLA 302

Scales and Arpeggios: Knowledge and demonstration of underlying technical principles involved in the performance of all scales and arpeggios of previous grade using at least three different bow groupings.

Prepared Pieces: Knowledge and demonstration of underlying technical principles involved in the performance of three studies from each of the following: Campagnoli, Gavinies, Paganini.

Pedagogy: A pedagogical demonstration with young student is required.

VIOLA 310

Prepared Pieces: The performance from memory of a previously approved recital programme lasting one hour. After examination, a public recital is required. The order of the programme should be as follows:

(1) Unaccompanied Suite — e.g. any one of the sonatas of Bach or Hindemith.

(2) Concerto — e.g. any one of the concertos by Bartok, Serly, or Tansman.

(3) Group of pieces — e.g. Beethoven, Variations Op. 66; Bloch, Suite; Schumann, Maerchenbilder; Stravinsky, Elegy; Weber, Andante and Rondo Hongroise.

VIOLA 401

The same as Viola 310.

VIOLA 402

Prepared Pieces: The requirements are the same as those for Viola 301.

Pedagogy: The candidate will have to give a pedagogical demonstration of instruction with advanced pupil (Viola 10-11). There will be an assessment of results with young student assigned to candidate for regular teaching at the beginning of the year. The candidate will also have to demonstrate his skill in analyzing all technical and musical problems involved in teaching e.g. bowing, fingering, detached and slurred playing, varieties of tone, vibrato, execution of ornaments, phrasing, differences of style according to historical period of composition, differences of teaching methods.

CELLO

CELLO 101

Scales: All major, minor (melodic and harmonic), and chromatic scales through four octaves. Detached and slurred.

Arpeggios: All major and minor chords, through three octaves, slurred and detached.

Prepared Pieces: Candidates must perform any two studies from each of the following books of studies: Duport, Franchomme, Gruetzmacher.

CELLO 110

Scales and Arpeggios: The same as for Cello 101.

Prepared Pieces: The same as for Cello 101. Candidates will also have to perform: Bach, Accompanied Gamba Sonata; Saint-Saens, Concerto.

CELLO 201

Scales: All major, minor (melodic and harmonic), and chromatic scales through four octaves, with four different bowings.

Arpeggios: All major and minor chords through three octaves with four different bowings.

Prepared Pieces: Six difficult excerpts from the classical and romantic chamber music repertory, e.g. Mozart, Divertimento (String Trio) in E flat; Schubert, Piano Trio in B Flat, etc.

CELLO 210

Scales and Arpeggios: The same as for Cello 201.

Prepared Pieces: The same as for Cello 201. Candidates will also have to perform a sonata by Beethoven or Brahms, or the Concerto of Lalo.

CELLO 301

Prepared Pieces: The performance of a previously approved sonata recital programme of approximately one hour duration consisting of classical, romantic, and contemporary works. After the examination, a public recital may be required. Suggested works: Bach, any of the accompanied gamba sonatas; Beethoven: any of the sonatas or variations; Brahms, either of the two sonatas; a sonata by Kodaly, Prokofieff, Shostakovitch, (accompanied).

CELLO 302

Scales and Arpeggios: Knowledge and demonstration of underlying technical principles involved in the performance of all scales and arpeggios of previous grades, as well as three-octave scales in thirds and sixths.

Prepared Pieces: Knowledge and demonstration of underlying technical principles involved in any two works selected from each of the following books of studies: Hugo Becker, Duport, Franchomme, Gruetzmacher, Popper (High School of Cello Playing).

Pedagogy: A pedagogical demonstration with young student is required.

CELLO 310

Prepared Pieces: Three studies from each of the following: Hugo Becker, Popper. In addition, the candidate will have to perform a previously approved recital programme of approximately one hour duration. Suggested works:

(1) Any of the unaccompanied Bach suites.

(2) Any of the following concertos: Boccherini, Dvorak, Haydn, Lalo, Saint-Saens, Schumann.

(3) Bloch, Pieces from Jewish Life; Cassado, Suite; Nin, Suite; Popper: selected group of pieces.

A public recital is also required.

CELLO 401

The same as Cello 310.

CELLO 402

Prepared Pieces: The requirements are the same as for Cello 301.

Pedagogy: The candidate will have to give a pedagogical demonstration of instruction with advanced pupil (Cello 11). There will be an assessment of results with young student assigned to candidate for regular teaching at the beginning of the year. The candidate will also have to demonstrate his skill in analyzing all technical and musical problems involved in teaching, e.g. bowing, fingering, detached and slurred playing, varieties of tone, vibrato, execution of ornaments, phrasing, differences of style according to historical period of composition, differences of teaching methods.

DOUBLE BASS

DOUBLE BASS 101

Progressive bow- and finger-technique exercises. Bach, Arioso; Eccles, Sonata; Fauré, Après un rêve. Schubert, Octet and "Trout" Quintet.

DOUBLE BASS 201

Dragonetti, Concerto. The study of orchestral parts from: Mozart, Magic Flute and Marriage of Figaro; Mozart, Symphony No. 39; Weber, Overtures to Euryanthe and Oberon; R. Strauss, Till Eulenspiegel.

DOUBLE BASS 301

Koussevitzky, Concerto; Nanny, Caprice No. 1. Prokofieff, Quintet. R. Strauss, Death and Transfiguration.

DOUBLE BASS 401

Simandl, Gradus ad Parnassum (Twenty-Four Studies). Mozart, Per questa bella mano-Obbligato for Double Bass and Voice; R. Strauss, Don Juan; Stravinsky, Pulcinella. Orchestral excerpts: Bach, Suite in B Minor; Bruckner, Symphonies; Wagner, excerpts.

FLUTE

FLUTE 101

Anderson, Etudes Op. 15 and 33; Barrere, The Flutist's Formulae; Boehm, 24 Caprices Op. 26; Moyse, Scales and Arpeggios. Chamber Music of the 17th and 18th century; sonatas by Bach; concertos by Gluck, Gretry and Haydn. Easier contemporary pieces.

FLUTE 201

Andersen, Etudes Op. 30 and 63; Hughes, 24 Studies; Moyse, Technical Studies and Exercises. Bach, Suite in B Minor and Brandenburg Concerto No. 5; concertos by Mozart; quartets and trios by Mozart and Beethoven. Debussy, Syrinx; Fauré, Fantasia; Ibert, Piece for Solo Flute; and similar pieces.

FLUTE 301

Andersen, Virtuoso Studies Op. 60; Kohler, 8 Exercises Op. 33 Book 111; Moyse, Daily Exercises; Taffanel-Gaubert, Grandes Etudes de Virtuosité. Paris Conservatory Pieces. Schubert, Variations. Study of orchestral solo passages.

FLUTE 401

Andersen, Virtuoso Studies Op. 60; Moyse, 48 Studies of Virtuosity. Ibert, Concerto. Modern flute solos. Study of orchestral solo passages.

FLUTE 110, 210, 310

The contents of these courses will consist of the material of Flute 101, 201, 301 and 401 condensed into three years instead of four.

OBOE (English Horn)

OBOE (ENGLISH HORN) 101

Brod, Six Advanced Sonatas; Ferling, Forty-Eight Studies; Haendel, Sonata in G minor.

OBOE (ENGLISH HORN) 201

Andraud, Vade-Mecum, and other studies. Haendel, Concerto in G Minor; Telemann, Sonata in A Minor. Orchestral repertoire.

OBOE (ENGLISH HORN) 301

G. Gillete, Advanced Studies. Mozart, Concerto in C Major, and Quartet for Oboe and Strings. Orchestral repertoire continued.

OBOE (ENGLISH HORN) 401

Eugene Bozza, Studies; Hugo-Bruyany, Studies; R. Lamorlette, Twelve Studies. Beethoven, Quintet; Gordon Jacob, Concerto; Mozart, Quintet; Vaughan-Williams, Concerto. Orchestral repertoire continued.

OBOE (ENGLISH HORN) 110, 210, 310

The contents of these courses will consist of the material of Oboe 101, 201, 301, and 401 condensed into three years instead of four.

CLARINET

CLARINET 101

All major, minor (melodic and harmonic) and chromatic scales and all arpeggios (common chords, dominant and diminished seventh chords) to be played tongued or slurred and phrased (grouped). Transposition

of a given passage one tone up, and a half tone down. P. Mimart, Studies for Clarinet; A. Perrier, Recueil de sonates pour l'étude du style classique (Books I, II, III). Messager, Solo de Concours; H. Rabaud, Solo de Concours; Weber, Concertos 1 and 2. McGinnis, Orchestral Excerpts, Volumes I and II.

CLARINET 201

Scales and arpeggios as in Clarinet 101. Transposition of a given passage one tone up or down. Carl Baermann, Method (Books 3, 4, and 5); V. Blancon, 40 Etudes; Paul Jeanjean, 16 Etudes; A. Perrier, 20 Studies of Virtuosity. Beethoven, Trio for Clarinet, Cello and Piano; Brahms, Sonatas 1 and 2; P. Gaubert, Fantaisie pour clarinette et piano; Mozart, Trio for Clarinet, Viola and Piano. McGinnis, Orchestral Excerpts, Volumes I and II.

CLARINET 301

E. Bozza, 14 Etudes de mécanisme; A. D. Elia, 12 Studies; A. Perrier, 22 Etudes modernes. Brahms, Trios for Clarinet; Debussy, Rapsodie pour clarinette et orchestre; Louis Spohr, concertos; Robert Stark, concertos; C. M. Widor, Introduction and Rondo. Also orchestral repertoire.

CLARINET 401

Transposition of a given passage a minor third up or down. Improvisation of a cadenza. N. Delecluse, Studies on Orchestral Passages; Paul Jeanjean, 18 Etudes. Mozart, Quintet for Clarinet and Strings; also quintets of Arthur Bliss, Brahms, Gordon Jacob. Clarinet concertos by Mozart, Busoni, C. Nielsen, Darius Milhaud, Aaron Copland, Nicola Berezovsky.

CLARINET 110, 210, 310

The contents of these courses will consist of the material of Clarinet 101, 201, 301, 401, condensed into three years instead of four.

SAXOPHONE

SAXOPHONE 101

Labanchi-Iasilli, Books I and II; Terschak, Daily Exercises. Transpositions. Advanced solos.

SAXOPHONE 201

Ferling, 60 Etudes; Soussman, Etudes (Vol. II). Bozza, Concertino, Suite (Scaramouche, Aria, Pulcinella); Preliminary exercises for top notes.

SAXOPHONE 301

Boehm-Terschak, 53 Etudes. P. M. Dubois, Concertstueck; Glazounov, Concerto; H. Tomasi, Ballade.

SAXOPHONE 401

Advanced scales and exercises for top notes. E. Bozza, 12 Caprices; Ibert, Concertino da camera.

SAXOPHONE 110, 210, 310

The contents of these courses will consist of the material of Saxophone 101, 201, 301, and 401 condensed into three years instead of four.

BASSOON

BASSOON 101

Review of previous grades. E. Jancourt, 26 Melodic Studies. Hindemith, Sonata. Orchestral studies.

BASSOON 201

Gambaro, 18 Studies; Giampieri, 16 Daily Studies; Milde, Concert-Studies (Book 1). Concerti by Vivaldi and Mozart. Orchestral studies.

BASSOON 301

Dherin-Pierné, New Technique of the Bassoon; Milde, Concert-Studies (Book II); A. Orefici, Bravura Studies. L. Grondahl, Concerto; Gordon Jacob, Concerto (1947); Weber, Concerto. Orchestral studies.

BASSOON 401

Bertoni, 12 Modern Studies; Marcel Bitsch, Twenty Studies; Bozza, 15 Daily Studies; Piard, 16 Characteristic Studies. Bozza, Fantaisie. Orchestral repertoire.

BASSOON 110, 210, 310

The contents of these courses will consist of the material of Bassoon 101, 201, 301, and 401 condensed into three years instead of four.

TRUMPET

TRUMPET 101

All major and minor scales and arpeggios, to be played slurred, single, double and triple tongued. Sachse, Etudes for Trumpet (No. 12 with transpositions to C, D, E flat, E and F); St. Jacome, Method for Trumpet (No. 8, Artistic Study). Haydn, Concerto for Trumpet.

TRUMPET 201

All major and minor scales and arpeggios to be played slurred, single, double and triple tongued. Charlier, Articulation Exercises (Nos. 3, 5, and 23); Sachse, Etudes for Trumpet (Nos. 1-30, with transpositions to include A, C, D and E flat). Orchestral excerpts for trumpet: Volumes I and II of Wagner's Works; (Breitkopf) Volume I of Strauss's Works (Peters).

TRUMPET 301

Sachse: Etudes for Trumpet (Nos. 1-60, with transpositions to include A, A flat, B, C, D, E flat, E and F). Georges DeLarue, Concertino; Georges Enesco, Legende. Orchestral Excerpts: Same as Trumpet 201; also Volumes I, II, and III of Orchestral Studies of Classical and Modern Works (Bartoldi, ed.)

TRUMPET 401

Sachse, Etudes for Trumpet (Nos. 1-100, with transpositions to C, D flat, D, E flat, E, F, G, A flat, A, B). Obbligato playing. Marcel Bitsch, Quatre Variations Sur Un Thème de Domenico Scarlatti; E. Bozza, Concertino; Jacques Ibert, Impromptu; Saint-Saens, Fantaisie en mi bémol. Orchestral Excerpts; same as Trumpet 301; also Volumes IV and V of Orchestral Studies of Classical and Modern Works (Bartoldi ed.)

TRUMPET 110, 210, 310

The contents of these courses will consist of the material of Trumpet 101, 201, 301, and 401 condensed into three years instead of four.

FRENCH HORN

FRENCH HORN 101

All major, minor and chromatic scales, all arpeggios, each through one octave range. Studies in two clefs.

FRENCH HORN 201

Extension of range in all scales and arpeggios. Diminished seventh chords. Double tonguing, preparatory exercises in trills, use of mute, ability to read in four clefs. Dubois, Cavatina; Franz Strauss, Concerto. Simple orchestral excerpts.

FRENCH HORN 301

Major and minor scales in thirds; arpeggios, dominant and diminished seventh chords and their resolutions. Slurred and staccato, over a range of two octaves. Use of lip trill. Double and triple tonguing in chromatic and diatonic intervals. Mozart concertos. Further studies of orchestral repertory.

FRENCH HORN 401

All transpositions. Standard orchestral and sole repertoire. Dukas, Villanelle; Mozart and Haydn concertos; Mozart, Concert Rondo.

FRENCH HORN 110, 210, 310

The contents of these courses will consist of the material of French Horn 101, 201, 301, and 401 condensed into three years instead of four.

TROMBONE (Tuba)

TROMBONE (TUBA) 101

Lip slurs in all positions. All forms of tonguing. Introduction of alternate positions. Scales and arpeggios (tonic, dominant and diminished seventh chords). Kopprasch, Book 1.

TROMBONE (TUBA) 201

Special emphasis on tone, attack, lip slur. Introduction of tenor and alto clefs. Scales and arpeggios. Blume, Books I and II; Rochut, Book I.

TROMBONE (TUBA) 301

Blasewitsch, 26 Sequences (Rhythm and Clefs); Blume (Book III); Kopprasch (Book II); Rochut (Book II). Pieces and orchestral repertory of easy and medium difficulty.

TROMBONE (TUBA) 401

Advanced methods. Rochut (Book III). Brass Ensemble. Orchestral repertoire.

TROMBONE (TUBA) 110, 210, 310

The contents of these courses will consist of the material of Trombone (Tuba) 101, 201, 301, and 401 condensed into three years instead of four.

PERCUSSION

PERCUSSION 101

Snare drum: Completion of Podemski's Snare Drum Method. Mallets (all phonetic instruments which are struck): Completion of W. Dorn Method, and one solo piece. Timpani: Goodman Method (Section II, up to No. 40) and one solo piece.

PERCUSSION 201

Snare drum: Wilcoxon, All American Drummer (selected exercises).

Study of Bass Drum and Cymbal. Technique of all small instruments such as castagnettes, tambour de basque, etc. Mallets: Goldenberg, Selected Exercises. Orchestral repertoire and one solo piece. Timpani: completion of Goodman Method. Tscherepnine: Sonata, and another repertory piece.

PERCUSSION 301

Snare drum and percussion instruments: orchestral repertory. Mallets: Goldenberg Method; studies and repertory. Bach, Concerto in A (two movements). Sight-Reading. Timpani: Goodman Method (Part III). Orchestral repertory including symphonies by Mozart, Beethoven, Mendelssohn, and Brahms; also R. Strauss, Don Juan.

PERCUSSION 401

Snare drum and percussion instruments: general repertory. Mallets: Goldenberg: all repertory and one solo piece. Timpani: general repertory. Special tuning exercises. Striegler, Concerto.

PERCUSSION 110, 210, 310

The contents of these courses will consist of the material of Percussion 101, 201, 301, and 401, condensed into three years instead of four.

HARP

HARP 101

Studies: Bochsa, Cinquante Etudes, Book I (any two).

Prepared Pieces: One obligatory, and two further selections from the following list: Bach-Grandjany, Allemande (No. 2 from Transcriptions Classiques); Bach-Grandjany, Rondo (No. 3 from Six Pieces Classiques); Couperin-Renie, Tic Tac Toc; Damase, Concertino; Grandjany, Colorado-Trail; Handel-Grandjany, Concerto in B Flat; Haydn-Renie, L'Egyptienne; Salzedo, Variations dans le style ancien; Sammartini-Grandjany, Allegretto (No. 4 from Transcriptions Classiques); Tournier, Theme and Variations; Widor, Chorale and Variations; Zabel, La Source.

N.B. Obligatory selection: choice of Damase, Handel-Grandjany, or Widor in above list.

HARP 201

Studies: Bochsa, Cinquante Etudes, Book II (any two). Orchestral repertoire.

Prepared Pieces: One obligatory, and two further selections from the following list: Bach-Renie, Bourree (from Les Classiques de la Harpe, 3eme recueil); Couperin-Grandjany, La Compère (No. 3 from Transcriptions Classiques); Debussy, Clair de Lune; Grandjany, Rhapsodie; Grandjany, Dans la forêt du charme et de l'enchantement; Ravel, Introduction and Allegro; Renie, Allegro from the Concerto in C minor; Tournier, Sonatine, Op. 30; Tournier, Vers la source dans le bois; Pierre, Concertstueck; Prokofieff, Prelude; Salzedo, La Desirade.

N.B. Obligatory selection: choice of Ravel, Renie, or Pierre in above list.

HARP 301

Studies: Dizi, 48 Etudes (any two). Orchestral repertoire.

Prepared Pieces: One obligatory, and two further selections from the following list: Debussy, Danse Sacrée et Danse Profane; de la Presle, Le Jardin Mouillé; Fauré, Impromptu; Francisque-Grandjany, Pavane et Branle; Galeotti, Fantaisie; Gallon, Fantaisie; Handel-Grandjany, Toccata; Salzedo, Chanson dans la Nuit; Tournier, Les Anesses Grises (from 'Images', 3eme Suite); Roger-Ducasse, Barcarolle; Mozart, Concerto for harp and flute.

N.B. Obligatory selection: choice of Debussy, Faure, or Mozart in above list.

HARP 401

Prepared Pieces: Four obligatory selections plus any two other pieces from the following list: Bach-Renie, 10 Preludes and 10 Pieces; Caplet, Divertissement, 1. A La Française, 2. A L'Espagnole; Grandjany, Children's Hour; John Bull-Grandjany, The King's Hunt; Liszt-Renie, Le Rossignol; Renie, Legende 'Les Elfes'; Respighi-Grandjany, Siciliana; Tournier, Danse du Moujik (from 'Images', 4eme Suite); Tournier, Jazz Band; de Falla-Grandjany, Danse Espagnole, from "La Vida Breve"; Tailleferre, Concertino; Hindemith, Sonata; Orchestral repertoire.

N.B. Obligatory selections: any two of Bach-Renie, plus any two chosen from Grandjany, Tailleferre, or Hindemith in above list.

HARP 110, 210, 310

The contents of these courses will consist of the material in Harp 101, 201, 301, 401, condensed into three years instead of four.

ENSEMBLE COURSES

CHAMBER MUSIC 101. Easy duos and trios.

2 hours.

CHAMBER MUSIC 201. Duos and trios of medium difficulty.

2 hours.

CHAMBER MUSIC 301. More difficult trios. Woodwind, brass, and string quartets.

2 hours.

CHAMBER MUSIC 401. Advanced study of quartets and larger groups such as septets, octets, and nonets.

2 hours.

COLLEGIUM MUSICUM 110. A continuation of Collegium Musicum 11. (Please see page 2196.) This course may be applied as credit in the Licentiate programme, or in the First or Second years of the Mus.B. programme in performance.

CONSERVATORIUM ORCHESTRA. Rehearsal and performance of suitable orchestral literature selected from the standard repertory.

2 hours.

THE JUNIOR DEPARTMENT OF THE McGILL CONSERVATORIUM OF MUSIC

GENERAL STATEMENT

The Junior Department of the McGill Conservatorium of Music offers preparatory instruction in all instruments and voice, as well as in the theory of music. Theoretical classes, although not obligatory, are nevertheless recommended as an important aid to intelligent and artistic performance. The various subjects differ as to the number of years of preparatory study required. Detailed information is provided in the table on pages 2167-8. Candidates who have succeeded in passing the annual examinations in practical and theoretical subjects are awarded certificates at their respective grade levels.

Students of the Junior Department of the Conservatorium may, with special permission of the Department chairman, participate in certain ensemble courses of the Senior Department, or of the Faculty of Music.

Instruction in certain practical subjects is available during the summer months. Requests for information should be directed to the Secretary of the Conservatorium.

LOCAL CENTRES

In addition to its function as an institution offering courses of musical instruction, the McGill Conservatorium exists as an examining body holding annual examinations in both practical and theoretical subjects at various local centres throughout the Dominion. (The complete list **of Local Centres will be found on pages 2197-8). These examinations make** it possible for those taking private practical or theoretical instruction, whether in Montreal or in other localities throughout the Dominion, to obtain, free of residence requirements, the grade certificates issued by the Junior Department as well as the diploma of Associate in Music issued by the Senior Department of the Conservatorium (Please refer to pages 2111 and 2126-7). Examinations will be arranged by the Secretary when required and new centres formed upon request. Theoretical examinations at each centre are conducted under the supervision of a local representative of McGill University. All papers will be sent to McGill University itself. Practical examinations are conducted by visiting examiners. Every certificate gained by candidates in any of the public examinations will bear the imprimatur of McGill University.

STUDY COURSES

The Junior Department of the McGill Conservatorium of Music also offers instruction to those who, while not interested in obtaining either grade certificates or diplomas, wish to study practical or theoretical subjects for their cultural or professional value.

ADMISSIONS — AUDITIONS

All applications for admission to the Junior Department of the McGill Conservatorium of Music must be directed to the Secretary of the Faculty of Music, McGill University, 3426 McTavish St., Montreal, Que. (Tel.: VIctor 4-6311, Local 482.)

All students in the Junior Department are registered as Partials.

Applicants who have had private or other music study elsewhere must arrange for an audition in their practical subject as well as for a theory placement test.

EXAMINATIONS

Sessional Examinations

Final sessional examinations in all theoretical subjects are held in late April and early May. Examinations in all practical subjects take place during the first three weeks of May.

Deferred Examinations

Deferred practical examinations are permitted only in case of illness or other exceptional circumstances. A written request for the deferment of examination must be submitted to the Dean.

Supplemental Examinations

Students who have failed to obtain the passing grade of 60% in any written examination have the choice of: (a) passing a supplemental examination in that subject in the fall; (b) repeating the course.

Local Centre Examinations

Theoretical examinations are held at the local centres on the date of the regular sessional examinations of the Conservatorium. Practical examinations take place during May, June, and July. The regulation concerning deferred examinations applies as well to local centre candidates who also have the privilege of writing supplemental examinations in the event of failure.

Forms of entry for all local center examinations may be obtained from the Secretary of the Faculty of Music, or from either the local honorary representatives or secretaries. A complete list of local centres will be found on pages 2197-8.

CLASSIFICATION OF MARKS

100—95%	Very High Distinction
94—90%	High Distinction
89—80%	Distinction
79—70%	Honours
69—60%	Pass
Below 60	Failure

FEES

TUITION FEES

N.B. The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require

The fee for theory classes in the Junior Department is $20 per session. Fees for practical courses in the Junior Department are scaled according to grade and medium as follows:

MEDIUM	GRADE		
	4,5,6	*7,8,9*	*10,11*
Keyboard Instruments	$126	$162	$216
Voice	—	180	216
Violin, Viola, Cello	126	180	216
Other Instruments	—	162	180

EXAMINATION FEES

Examination fees for courses in the Junior Department of the Conservatorium are as follows:

THEORETICAL COURSES:

Grade 7	$ 2
" 8	4
" 9	6
" 10	8
" 11	10

PRACTICAL COURSES:

Grade 4	$ 2
" 5	4
" 6	5
" 7	6
" 8	7
" 9	8
" 10	10
" 11	12

LOCAL CENTRES

Fees for local centre examinations are the same as those listed above for Conservatorium (Junior Department) examinations. In the case, however, of examinations leading to the diploma of Associate in Music, Senior Department rates will apply.

DATES OF PAYMENT

TUITION FEES

The University does not issue bills for fees. Fees are due and payable at the Chief Accountant's Office between the hours of 9 a.m. and 4 p.m. (Saturday 9 a.m. to 11 a.m.) on or before October 1st.

Remittance may be made by mail in which case cheques or money orders should be made payable to McGill University, and addressed to the Cashier, Accounting Department, McGill University, Montreal 2, P.Q.

Fees may be paid in two instalments, one at the beginning of the session, the other not later than January 15th. In such cases, the instalment fee of $5 is charged.

Special fees and penalties for late payment are shown in the General Information pamphlet which accompanies this announcement.

EXAMINATION FEES

All examination fees, including those for local centre examinations, must be paid in advance to the Secretary of the Faculty of Music, McGill University. In the case of local centre examinations, forms of application duly filled in by the candidate and accompanied by the examination fee must reach the Secretary in Montreal on or before April 1st.

ATTENDANCE REGULATIONS

1. All students are required to be punctual at all lessons.
2. The attendance register must be signed by the student after each lesson in a practical subject.
3. Lessons in practical subjects missed in consequence of the instructor's absence will be made up at the mutual convenience of instructor and pupil. Lessons missed in consequence of the pupil's absence will be made up only if notice of cancellation has been given forty-eight hours in advance, or if a doctor's certificate is produced.

PROGRAMME OF STUDIES IN THE CONSERVATORIUM OF MUSIC—JUNIOR DEPARTMENT

Students in the Junior Department of the Conservatorium may take courses in theory or in any of the practical subjects listed on pages 2167-8. Theory instruction, while not obligatory, is recommended to all students of instruments or voice as a means of developing musicianship.

SPECIAL REQUIREMENTS FOR PRACTICAL EXAMINATIONS

Tests in sight-reading, ear training and rudiments of music, form a part of all practical examinations held by the Junior Department of the Conservatorium.

(a) *Sight-Reading.* The sight-reading tests for all practical subjects involve pieces of not greater difficulty than those prepared for the previous examination. No sight-reading test is given in the initial grade of any practical subject.

(b) *Ear Training.* Ear tests form part of all practical examinations. A set of graded specimen ear tests will be sent upon request.

(c) *Rudiments.* The questions on musical rudiments will deal with note and rest values, key and time signatures, and expression marks. Questions on registration in the prepared pieces will be asked at the Organ 10 and Organ 11 examinations.

N.B. Information concerning the distribution of marks in the final practical examination is available to teachers and candidates. Requests for such information should be addressed to The Secretary of the Conservatorium.

COURSES OF INSTRUCTION

N.B. The lowest grade number assigned to the respective subjects in the Junior Department differs according to the number of years of pre-college study required in each case. The final grade number for all subjects in the Junior Department is eleven. The following table lists the various grades of study for each of the subjects offered in the Junior Department curriculum. Pamphlets describing the Local Centre Examination requirements in theoretical and practical subjects may be obtained from the Secretary of the Conservatorium.

I. THEORETICAL SUBJECTS:

Theory 7, 8, 9, 10, 11

II. PRACTICAL SUBJECTS:

Piano 4, 5, 6, 7, 8, 9, 10, 11
Violin 5, 6, 7, 8, 9, 10, 11
Recorder 7, 8, 9, 10, 11
Clarinet 7, 8, 9, 10, 11
Voice 7, 8, 9, 10, 11
Viola (Prerequisite: Violin 6) 7, 8, 9, 10, 11
Cello 7, 8, 9, 10, 11
Double Bass 8, 9, 10, 11
Flute 8, 9, 10, 11
Oboe (English Horn) 8, 9, 10, 11
Bassoon 8, 9, 10, 11
Trumpet 8, 9, 10, 11
Harp 8, 9, 10, 11
Organ (Prerequisite: Piano 9) 8, 9, 10, 11
Harpsichord (Prerequisite: Piano 10) 10, 11
Saxophone (Prerequisite: Clarinet 9) 10, 11
French Horn 11
Trombone (Tuba) 11
Percussion 11

DEPARTMENT OF THEORY

THEORY 7. This class is intended to give young beginners training in the rudiments of aural training, rhythmic reading, and staff notation. The limits set for these skills in the present grade are as follows:

(a) *Sight Singing:* The ability to sing at sight easy melodic phrases in the key of C major and in the treble clef. Scale degree numbers rather than syllables are used in this grade. The ability to sing, and to identify by ear, perfect and major intervals.

(b) *Rhythmic Reading:* The ability to articulate easy rhythms in simple meters using rhythmic syllables and the conductor's beat. The rhythms used will involve note and rest values of: one full beat, more than one beat, beat and a half, half beat.

(c) *Staff Notation:* A knowledge of treble and bass clefs, leger lines (above and below the staff), and enharmonic equivalents. The ability to write one octave of the major scale (in both ascending and descending form) in keys not beyond four sharps or flats and with or without key signatures. The ability to spell (whether orally or on paper) and to identify perfect and major intervals. A knowledge of Italian terms.

1 hour.

THEORY 8. This and the following course provide further training in musical rudiments through aural, keyboard, and notational drills. The following subjects are studied:

(a) *Rhythm:* Reading and notational drills are used as preparatory training for the solution of rhythmic problems which include a study of the beat and its background in simple and compound meters, rests, meter signatures, barring.

(b) *Scales:* The scales of C, G, and F major and their relative minors are to be played at the keyboard. Major and minor scales up to five sharps or flats are to be written in G— and F— clefs with or without signatures. Training in aural recognition of scale degrees is stressed.

(c) *Intervals:* Fluency in interval spelling is an important objective and is to be attained through keyboard, oral, and notational drills.

(d) *Triads:* Various drills in the spelling of major and minor triads.

(e) Musical Terms.

1 hour.

THEORY 9. The study of rudiments is continued in this course as follows:

(a) *Rhythm:* Drills are provided in both rhythmic reading and staff notation which involve the subdivision of the background of the beat in simple and compound metres, ties, dotted notes, syncopation, mixed metres, and the re-grouping of incorrectly grouped notes.

(b) *Scales:* Major and minor scales up to five sharps and flats are to be played at the keyboard, and all major and minor scales are to be written whether with or without key signature and starting at any given scale degree. Further drill in the aural identification of scale degrees whether by number or by functional name is stressed.

(c) *Triads & Intervals:* The main objective of this course is the intensive study of the major, minor, diminished, and augmented triads and of the component intervals of these triads. Particular stress is placed upon the spelling, whether oral or written, of root position and inverted triads, as well as upon the ability to construct these triads at the keyboard. Other drills include the four-part disposition of major and minor chords at the keyboard and on staff, as well as the aural recognition of bass and soprano tones of such chords.

1 hour.

THEORY 10. Rhythmic training includes more intensive drills in simple, compound and mixed metres and in syncopation. Included as well are problems in barring and in the prefixing of meter signatures. The main emphasis of the present course, however, lies in elementary harmonic training. A preliminary phase of this training involves intensive drill in part-writing problems relating to the connection of triads and the resolution of dominant seventh chords, whether in root position or in inversion, as well as the detection of part-writing errors. Subsequent harmonic training comprises: (a) a study of cadences, sequences, and the principles of chord progression; (b) four-part harmonization of chorale phrases and other simple melodies, as well as of figured and unfigured basses, using diatonic triads other than the mediant in root position and inversion; (c) the composition of an original tune of from four to eight measures with indication of the harmonic background; (d) elementary harmonic analysis.

1 hour.

THEORY 11. Harmonic studies include: (a) part-writing and spelling drills; (b) the use of non-harmonic tones; (c) the resolution of secondary and diminished seventh chords, as well as of the augmented sixth, Neapolitan sixth, borrowed dominants and other altered chords; (d) the harmonization of chorale and other melodies, and of figured and unfigured basses using diatonic triads and dominant sevenths in all positions; (e) the composition of melodies of not more than eight measures in length with added part; (f) harmonic analysis.

1 hour.

DEPARTMENT OF KEYBOARD AND VOCAL MUSIC

PIANO 4

Note: For Ear Test and Sight-Reading requirements *see page 2166.*

Scales: C, G, F major; A, E, D harmonic minor. Hands separately through one octave, followed by the tonic triad in root position.

Exercises: Four short exercises for separate hands.

Prepared Pieces: Four short pieces for both hands.

PIANO 5

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: C, G, D, F, B flat major; A, E, B, D, G harmonic minor. Hands separately through two octaves. Suggested speed: two notes to MM100.

Arpeggios: Common chords in root position only, in C, G, D, F, B flat major, and in A, E, B, D, G minor. Hands separately through two octaves starting from the lowest note.

Prepared Pieces[1]*:* Candidates must play one piece from each of the following three groups:

I.	Anon	Old English Tune: Over the Hills and Far Away (AM-IV).
	J. S. Bach . . .	Chorale in E Minor (BB-I).
		Intrata in G Major.
	H. Fiocco . . .	La légère (AD-I).
II.	Clementi	A Sad Study (AM-VI).
		Sonatina Op. 36 No. 3 (second movement) (SSC).
	Mozart	Minuet in C Major (AD-I).
III.	Bartok	Thirty-Two Piano Pieces (The Little Lane).
		Two Short Pieces and Two Little Dances (No. 2).
	C. Le Fleming .	Squirrel Nutkin, Chester.
	Gretchaninoff . .	Fairy Tale Op. 98 (CB).
	Leslie Paul . . .	Suite for Piano (Stately Gavotte).
	Tansman . . .	Pour les enfants (Set II, Nos. 1 or 2).
	Healey Willan .	Alla Marcia and Tempo di Minuetto. G. V. Thompson Ltd.

PIANO 6

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: C, G, D, A, F, B flat, E flat major; A, E, B, F sharp, D, G, C harmonic minor. Hands separately and together through two octaves, piano or forte, beginning with highest or lowest note. Suggested speed: two notes to MM 100.

Arpeggios: Common chords in root position only, and in the same keys as the above scales. Hands separately and together through two octaves, starting from the lowest note.

Prepared Pieces: Candidates must play one piece from each of the following four groups:

I. Fifty-Eight Tuneful Technical Studies, E. Schuberth & Co. — Book I, Nos. 11-17 (any one).

II.

J. S. Bach . . .	French Suite No. 4 (Gavotte).
	March in G Major (GM).
	Minuet and Trio in G Minor (AD-II).
Jeremiah Clarke .	Ayre in C Major (CP).
J. B. Loeillet . .	Minuet in E Minor (CP).
Daniel Purcell .	Hornpipe in D Minor (CP).

III.

C. P. E. Bach .	Minuet in A Major (An. Mod).
Clementi	Sonatina in C, Op. 36, No. 1 (first movement).

(1) In certain cases reference will be made to the title of the teaching primer or other collection in which the piece in question may be found. To conserve space, these references appear in the text by means of letter symbols. Roman numerals, when present, signify volume number. The complete titles with publishers' names and letter codes are given below:

AD — Airs and Dances, Boosey and Hawkes.
AG — Airs and Graces of the Eighteenth Century, Oxford University Press.
An. Mod — Ancient to Modern, Boosey and Hawkes.
AM — Approach to Music, Boosey and Hawkes.
BB — Bach for Beginners, Boosey and Hawkes.
CB — Children's Book, E. B. Marks.
CAOP — Classical Album of Original Piano Pieces, Boston Music Co.
CP — Contemporaries of Purcell, Hinrichsen.
DGG — Dances Grave and Gay, Boosey and Hawkes.
EES — Early English Sonatinas.
EC — Easy Classics for the first Grade, Frederick Harris.
EE — Easy Elizabethans, Boosey and Hawkes.
GM — Garden of Music, Novello.
OEW — Old English Worthies, Oxford University Press.
RC — Re-Discovered Classics, Boosey and Hawkes.

Representative selections of piano pieces for all grades in the Junior Department, are published in book form by the McGill Conservatorium of Music and are obtainable at the price of $1.

	Haydn	Allegro, from Sonata No. 9 (AD-II). Minuet in G Major (AM-VI).
	Mozart	Minuet in G Major (CAOP). Polonaise, from Sonatina in F (RC-I).
IV.	Bartok	Mikrokosmos (Nos. 75, 76, or 78). Thirty-Two Pieces (Play Song, or Poor Goose Thief).
	Eileen R. Gilley .	Pirates in the Pacific. G. V. Thompson.
	Gretchaninoff . .	Children's Book, Op. 98 (Nos. 9 or 13).
	Kabalevsky . . .	A Little Song, International Music Co., N.Y.
	Talivaldis Kenins	Horse Ride. G. V. Thompson.
	William Lea . .	Popcorn; The Peanutman. G. V. Thompson.
	Ernest MacMillan	Gavotte in F (EC).
	Shostakovitch . .	A Gay Story (An. Mod).
	Tansman . . .	Pour les enfants (Set III, Nos. 3 or 4).
	Healey Willan . .	Peter's Book (Peter Enjoys a Swing).

NOTE: The selections in the Elementary Grade Books of the McGill Conservatorium continue to be recognized.

PIANO 7

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: All major, harmonic minor, and chromatic scales. Also A, E, B, D, G, C, F melodic minor. Hands together through two octaves, beginning from either highest or lowest note. (Melodic minors from lowest note only.) Forte or piano. Suggested speed: four notes to MM 72.

Arpeggios: Common chords in all major and minor keys in root position only. Hands together through two octaves, beginning on the lowest note.

Prepared Pieces: Candidates must play one piece from each of the following four groups:

I.	Burgmüller . . .	Twenty-Five Easy and Progressive Studies, Op. 100 (any one of Nos. 9, 12, 18).

	Czerny	One Hundred and Sixty Eight-Measure Exercises, Op. 821 (Nos. 1 and 2, or 12 and 13, or 15 and 18).
		Practical Method for Beginners, Op. 599 (Nos. 58 and 59 or No. 61, or Nos. 63 and 67).
	Duvernoy . . .	Twenty-Five Elementary Studies, Op. 176 (any one of Nos. 18, 23, 25).
II.	Anon	Courante in A Minor (EE).
	Anon	Siciliano (AG).
	Bach	Six Little Preludes (No. 2). Twelve Little Preludes (No. 10).
	Byrd	Gigg, or Galliard (DGG).
	Farnaby	Tell Me, Daphne, or Bonnie Sweet Robin (EE).
	Handel	Fughetta in C. Suite No. 13 (Gigue).
	Lully	Minuet (AG).
	Stanley	Invention (OEW).
III.	Arne	Sonata No. 7 in A (last movement).
	Attwood . . .	Sonatina (EES).
	Beethoven . . .	Sonatina in F (first or second movement).
		Variations on "Ich hab ein kleines Hütchen" (Theme and Var. 1).
		Variations on an Original Theme in G Major (Theme and Var. 1 and 3).
	Haydn	Sonata in C. Hinrichsen Edition, Vol. 101 (Andante).
	Hook	Rondo Pastorale (EES).
	Kuhlau	Sonatina in G, Op. 88 No. 2 (Andante Cantabile).
	Mozart	Variations on "Come un agnello" (Theme and Var. 1).
IV.	Bartok	For Children, Vol. I (Nos. 1 or 17).
		For Children, Vol. II (Nos. 1 or 20).
	Bortkiewicz . .	The Hardy Tin Soldier.

Elgar	Sonatina (Andantino). Keith Prowse, London.
Grieg	Lyric Pieces (Arietta).
Kabalevsky . . .	Children's Pieces Op. 27 (A Little Fairy Tale, or An Old Dance, or Having Fun). Toccatina in A minor, Op. 27 No. 7.
Leonard Leacock .	Sea Horses. G. V. Thompson.
Prokofieff . . .	Music For Children Op. 65, No. 3.
Godfrey Rideout .	Prelude in F. G. V. Thompson.
Schubert	Ecossaise in B Minor.
Shostakovitch . .	The Mechanical Doll.

NOTE: The selections in the Junior Grade Book of the McGill Conservatorium continue to be recognized.

PIANO 8

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: All major, minor (harmonic and melodic) and chromatic scales. Hands together through four octaves, in similar motion only, beginning on the lowest or highest note. Legato and staccato, piano and forte. Suggested speed: four notes to MM 92 legato, and MM 72, staccato.

Arpeggios: All major and minor common chords, with inversions, through four octaves, beginning on the lowest note.

Prepared Pieces: Candidates must play one selection from each of the following five groups:

I.	Bertini-Germer .	Fifty Selected Studies (any one of Nos. 7, 12, 15, 17, 22).
	Czerny	Preliminary School of Finger Dexterity Op. 636 (any one of Nos. 5, 6, 10, 17). School of Velocity, Book I, Op. 299 (any one of Nos. 1, 2, 4).
	Heller	Twenty-Five Melodious Studies, Op. 45 (any one of Nos. 11, 18, 19, 23).
II.	Bach	Two-Part Inventions (No. 1 in C, or No. 4 in D Minor). Six Little Preludes (No. 6). Twelve Little Preludes (No. 5).
	Byrd	Courante, or Martin sayd (DGG).

	Handel	Suite No. 14 (Air). Suite No. 16 (Allemande).
	Martini	Sonata in E (Andantino). Chester, Ltd.
	Purcell	Suite No. 3 in G Major (Courante). Schirmer.
	Rutini	Sonata in F (Rondo). Chester, Ltd.
III.	Beethoven . . .	Sonata Op. 49, No. 2 (first movement). Bagatelle in G Minor, Op. 119 No. 1. Bagatelle in D Minor, Op. 33 No. 6. Variations on 'Nel cor più' (Theme and Var. 1 and 2).
	Camidge	Finale (EES).
	Clementi	Sonatina in E Flat, Op. 37 No. 1 (first movement). Sonatina in G, Op. 36 No. 2 (first movement). Sonatina in F, Op. 38 No. 3 (first movement).
	Hook	Sonatina (EES).
	Jones	Sonatina (EES).
	Kuhlau	Sonatina in C, Op. 55 No. 1 (first movement). Sonatina in G, Op. 35 No. 2 (first movement). Sonatina in G, Op. 88 No. 2 (first movement).
	Mozart	Minuet in D, K. 355.
IV.	Chopin	Preludes (Nos. 4 or 6). Mazurka Op. 7 No. 2.
	Elgar	Sonatina (Allegro). Keith Prowse, London.
	Liszt	Consolations (Nos. 1 or 4).
	Mendelssohn . .	Children's Pieces, Op. 72 (No. 2 or 3).
	Schumann . . .	Forest Scenes (Lonely Flower). Scenes from Childhood (The Bogey Man).

V.	Bartok	For Children, Vol. I (any one of Nos. 5, 6, 8, 27). For Children, Vol. II (any one of Nos. 6, 8, 18).
	Bortkiewicz . . .	The Nightingale.
	Kabalevsky . . .	Children's Pieces Op. 27 (any one of: Etude, A Little Joke, Sonatina, Dance).
	Karganoff . . .	Scherzino in A Major, Op. 21 No. 6. Harris & Co.
	Prokofieff . . .	Children's Suite Op. 65 (any one of Nos. 2, 4, 10).

PIANO 9

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: All major, harmonic minor, and chromatic scales, in similar motion through four octaves and contrary motion through two octaves, beginning with the lowest or highest note. All melodic minors in similar motion only. Also all major scales at the interval of a third. Forte and piano, legato and staccato. Suggested speed: legato — four notes to MM 108; staccato — four notes to MM 82.

Arpeggios: All major and minor common chords, with inversions, through four octaves, beginning with the lowest or highest note. Also dominant seventh chords in root position and from lowest note only through four octaves. Forte and piano, legato and staccato. Suggested speed: legato — four notes to MM 100; staccato — four notes to MM 72.

Prepared Pieces: Candidates must play one selection from each of the following five groups:

I.	Bertini-Germer .	Fifty Selected Studies (any one of Nos. 39, 43, 48, 49).
	Cramer-Buelow .	Fifty Selected Studies (Nos. 1 or 19).
	Czerny	Preliminary School of Finger Dexterity Op. 636 (any one of Nos. 1, 2, 7, 14, 21). School of Velocity Op. 299, Book I (any one of Nos. 5, 6, 7, 8).
II.	Bach	Two-part Inventions (any one of: No. 6 in E, No. 11 in G Minor, No. 13 in A Minor, No. 14 in B Flat). Three-part Inventions (No. 7 in E Minor).
	Handel	Suite No. 7 (Allegro or Andante).

	Paradies	Sonata in B Flat (Andante).
	Purcell	Suite No. 2 (Prelude). Suite No. 5 (Prelude).
	Scarlatti	Sonata No. 13 (Pastorale).
III.	Beethoven . . .	Sonata Op. 49 No. 1 (either movement). Bagatelle in E Flat Op. 126, No. 3. Variations on "La stessa, la stessissima" (Theme and Finale).
	Clementi	Sonatinas: Op. 38 No. 1 in G, Op. 36 No. 6 in D, Op. 36 No. 3 in C (any of the first movements).
	Dussek	Rondo in E Flat.
	Haydn	Sonata in G — Peters edition, No. 11 (first movement).
	Kuhlau	Sonatina in C, Op. 20 No. 1 (first or third movement)
	Mozart	Sonata in G, K. 283 (second movement). Fugue in G Minor, K. 154
IV.	Chopin	Prelude No. 10. Mazurka in C Sharp Minor Op. 6 No. 2.
	John Field . . .	Nocturne No. 5 in B Flat
	Grieg	Lyric Pieces Op. 43 (No. 1 or No. 4).
	Liszt	Consolations (No. 2)
	Mendelssohn . .	Christmas Pieces (No. 5 in G Minor). Tarantella in C Major.
	Palmgren . . .	Maynight.
	Schubert	Waltzes (any three)
	Schumann . . .	Forest Scenes Op. 82 (No. 1) Scenes from Childhood (Nos. 3 and 4).
	Eric Thiman . .	Musical Sketch Book (Silent Pool).
V.	Violet Archer . .	Habitant Sketches (No. 2).
	Bartok	For Children, Vol. I (Nos. 38 and 40).

Debussy	Children's Corner (The Little Shepherd, or Golliwog's Cakewalk).
	Preludes (La plus que lente).
H. Ferguson . .	Five Bagatelles (No. 2).
Grovlez	La Sarabande.
Levine	Humoresque.
Liadov	The Music Box.
MacDowell . . .	Shadow Dance.
O. Pinto	March, Little Soldier.
Rebikov	Danse des clochettes.
Spendiarov . . .	Berceuse Op. 3 No. 2.
J. Turina . . .	The Circus (No. 5).

NOTE: The selections in the Intermediate Grade Books of the McGill Conservatorium continue to be recognized.

PIANO 10

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: All major, minor (harmonic and melodic) and chromatic scales, in similar and contrary motion, beginning with the lowest or highest note. Also all scales at the interval of a third, sixth or tenth, through four octaves, in similar motion only. Forte and piano. Legato and staccato. Suggested speed: legato — four notes to MM 120; staccato — four notes to MM 90. Also broken octaves, hands separately, in all keys, through two octaves. Suggested speed: four notes to MM 60.

Arpeggios: Major and minor common chords through four octaves, beginning with the lowest or highest note (root position and inversions). Dominant and diminished sevenths in root position and inversions, beginning with the lowest note only. Forte and piano, legato and staccato.

Prepared Pieces: Candidates must play one selection from each of the following five groups:

I.	Cramer-Buelow .	Fifty Selected Studies (No. 10).
	Czerny	School of Velocity, Book I, Op. 299 (No. 9).
		School of Velocity, Book II, Op. 299 (No. 1).
II.	Bach	Three-part Inventions (any one).
	Couperin	Suites (any two movements).
	Rameau	Suites (any two movements).

	Scarlatti	Sonatas (any one).
	Telemann . . .	Fantasias (any one).
III.	Beethoven . . .	Sonata Op. 49 No. 1.
	Beethoven-Busoni	Six Ecossaises.
	Haydn	Sonata in E Minor, No. 2. (first, or second and third, movement).
		Sonata in D Major, No. 7. (first, or second and third, movement).
	Mozart	Sonata in G, K. 283 (first or last movement).
		Sonata in C, K. 545 (first or last movement).
		Sonata in F, K. 547 (first or last movement).
IV.	Brahms	Waltzes, Op. 39 (any two).
		Intermezzo in A Minor, Op. 76, No. 4.
	Chopin	Three Ecossaises.
		Mazurkas (Op. 30, Nos. 1 and 2, or Op. 67, Nos. 2 and 4).
		Waltz in B Minor and Minute Waltz.
		Nocturne in F Minor Op. 55, No. 1.
	Faure	Song Without Words Op. 17.
	Liszt	Consolation No. 3 in D Flat.
	Mendelssohn . .	Songs Without Words (any two of: Nos. 1, 14, 25, 29, 36).
	Schubert	Impromptu in A Flat, Op. 142, No. 2.
		Moments Musicaux, Op. 94, Nos. 1 and 2.
	Schumann . . .	Scenes from Childhood (any two pieces).
	Schumann . . .	Romance in F Sharp Major.
V.	Bartok	Three Rondos on Folk Tunes (any one).
	Lennox Berkeley.	Five Short Pieces (1937) — Chester Ed.
	Debussy	Arabesque (No. 1 or 2).
		Preludes, Vol. I (No. 1, Danseuses de Delphes).
	De Falla	Serenata Andaluza.

Ibert	Little White Donkey.
Kabalevsky . . .	Variations Op. 40, No. 1.
Martinu	Etudes and Polkas, Vol. 3 (Polka in A Minor).
Pinto	Memories of Childhood (Nos. 1 and 5).
Poulenc	Valse.
Prokofieff . . .	Gavotte in F Sharp Minor, Op. 32.

NOTE: The selections in the Senior Grade Books of the McGill Conservatorium continue to be recognized.

PIANO 11

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: Major, minor (harmonic and melodic), and chromatic scales in all keys, at the octave, third, sixth or tenth, with staccato or legato touch, and beginning from either the highest or lowest note. In similar and contrary motion. Also broken octaves in all keys through two octaves, hands together.

Arpeggios: Common chords, dominant and diminished seventh chords in all positions at the interval of an octave, starting on the highest or lowest note, with staccato and legato touch.

Note: Scales and arpeggios should be played at as fast a speed as is consistent with clarity and accuracy and without group accentuation.

Prepared Pieces: Candidates must play any two etudes from group I, and one selection from each of the succeeding four groups:

I.	Clementi	Gradus Ad Parnassum.
	Cramer-Buelow .	Fifty Selected Studies (from Nos. 13, 14, 16, 21).
	Czerny	School of Velocity, Vols. III and IV.
II.	Bach	Well-Tempered Clavier (Book I: No. 5 in D Major or No. 20 in A Minor).
		Well-Tempered Clavier (Book II: No. 12 in F Minor or No. 21 in B Flat Major).
	Galuppi	Sonata in D Major.
	Handel	Blacksmith Variations.
		Suite in G Minor (Chaconne).
	Scarlatti	Sonatas (any one).
III.	Beethoven . . .	Sonata Op. 2 No. 1 (last movement).

		Sonata Op. 14 No. 1 (first movement)
		Sonata Op. 14 No. 2 (first or last movement)
		Sonata Op. 79 (first, or second and third movements).
	Haydn	Sonata in E Flat Major (first, or second and third movements).
	Mozart	Sonata in F Major, K. 494 (first or last movement).
		Sonata in A Major, K. 331 (theme and variations).
		Concerto in G Major, K. 453 (first movement with Mozart cadenza).
IV.	Brahms	Intermezzi (Op. 76, No. 3 or 6; Op. 117, No. 1; Op. 118, No. 2; Op. 119, No. 2).
		Ballade Op. 118 No. 3.
	Chopin	Preludes (any two from: Nos. 1, 4, 9, 10, 15, and 22).
		Impromptu in A Flat, Op. 29.
		Bolero Op. 19.
		Nocturne in B Major, Op. 32 No. 1.
		Polonaise in C Sharp Minor Op. 26 No. 1.
	Dohnanyi . . .	March in E Flat Major.
	Liszt	Valse oubliée.
	Mendelssohn . .	Songs Without Words (Nos. 3, 18, or 34).
		Scherzo in E Minor.
	Schubert	Impromptu Op. 90 No. 2, in E Flat Major.
		Impromptu Op. 90 No. 4, in A Flat Major.
	Schumann . . .	Arabesque Op. 18.
		Romance in F Sharp Major.
V.	Albeniz	Sevillanas.
	Bartok	Hungarian Peasant Songs (any two).
		Mikrokosmos, Vol. V (any three).
	Debussy	Suite Bergamasque (Prelude or Minuet).
		Preludes, Vol. I (No. 12).
		Children's Corner (any one from Nos. 1, 2, 3, 4).

How. Ferguson .	Five Bagatelles.
Moussorgski . .	Gopak.
Prokofieff . . .	Prelude Op. 12 No. 7.
Saint-Saens . .	Bourree for the Left Hand Alone.
Tcherepnine . .	Bagatelles Op. 5 (any two).

NOTE: The selections in the Highest Grade Books of the McGill Conservatorium continue to be recognized.

ORGAN

ORGAN 8 *Prerequisite:* Piano 9.

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: C, G, D, E, E flat, and F in both major and harmonic minor:

(a) manuals only, hands separately and together, through two octaves, in similar motion;

(b) pedals only, upper or lower octave, as required by the examiner.

Prepared Pieces: Candidates must have prepared the whole of either:
—List A: Buxtehude, Nun bitten wir (TEOM)[1]; Purcell-Fricker, A Purcell Suite (Rondeau in D Minor); Tallis, Gloria tibi trinitas (TEOM); *or*
—List B: Bach, Fughetta on "Gottes Sohn ist kommen" (XVIII[2], p. 41); Bach, Liebster Jesu, wir sind hier (XVIII, p. 72); John Stanley-Wall, Three Eighteenth Century Preludes (Trio).

ORGAN 9

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: All major, minor, and chromatic scales:

(a) manuals only, hands together, through three octaves, in similar and contrary motion, starting on either the lowest or highest note;

(b) pedals only through one octave.

Technical Studies: Nilson, Technical Studies in Pedal Playing — Part II, Section I.

Prepared Pieces: Candidates must have prepared either:
—List A: Bach, Erbam dich mein, o Herre Gott (XVIII, p. 35); de Grigny, Dialogue in F Major (AEFOM)[3]; John James, Echo Voluntary; *or*
—List B: Bach, Fugue in D Major (XII, p. 83); Mendelssohn, Sonata No. 1 (Adagio); Vaughan Williams, Three Preludes on Welsh Hymns (Rhosymedre).

[1] i.e. Treasury of Early Organ Music, Music Press Inc.

[2] Bracketed Roman numerals in the present section (ORGAN) refer to volume numbers in the recommended Novello edition of Bach's organ works.

[3] i.e. Anthology of Early French Organ Music, H.W. Gray.

ORGAN 10

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: (a) Manuals: all major and minor (both forms), and chromatic scales, hands together through three octaves in similar and contrary motion. (Melodic minors in similar motion only.)

(b) pedals only: C, D flat, D, E flat, E, and F through two octaves.

Technical Studies: Nilson, Technical Studies in Pedal Playing — Part II, Section II, (Nos. 1-9 incl.). Part II, Section III, (Nos. 1-7 incl.).

Prepared Pieces: Candidates must have prepared either:
—List A: Bach, Concerto No. 1 (Vol. XI, p. 49); François Couperin, Elevation (AEFOM); Darius Milhaud, Neuf Préludes (any two) — Heugel; *or*
—List B: Bach, Nun komm der Heiden Heiland (Vol. XVII, p. 46); Handel, Concerto No. 13 (first and second movements); Healey Willan, Epilogue — Novello.

ORGAN 11

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

Scales: All major, minor (both forms), and chromatic scales played at varying degrees of speed:

(a) manuals only, hands together, at octave, third, and sixth for three octaves;

(b) pedals only, through one and two octaves;

(c) combined: one hand and pedals combined, in similar and contrary motion, from the octave or unison through one and two octaves.

Technical Studies: Nilson, Technical Studies in Pedal Playing — Part II, Section II (Nos. 20-59 incl.), Part II, Section III (Nos. 8-28 incl.).

Prepared Pieces: Candidates must have prepared either:
—List A: Bach, Sonata No. 1 (first movement); Brahms, Chorale Prelude: Herzlich thut mich erfreuen; Herbert Howells, Master Tallis' Testament; *or*
—List B: Bach, Herr Jesu Christ, dich zu uns wend (XVII, p. 26); Benjamin Britten, Prelude and Fugue on a theme of Vittoria; Louis Couperin, Chaconne (AEFOM).

HARPSICHORD

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

HARPSICHORD 10. Introduction to the harpsichord. Explanation of mechanism, pedals, and registration. Study of special exercises and simple compositions. J. S. Bach, Selections from Anna Magdalena Bach Book; Byrd, Pavane; Purcell, Suite No. 1.

Prerequisite: Piano 10.

HARPSICHORD 11. Demonstration of tuning, re-stringing, and other minor adjustments. Study of ornamentation (reference: "True Art of Keyboard Playing", by C.P.E. Bach.)

Keyboard music from 1600 to 1800 including the English, French, German and Italian schools. Bach, Two-part Inventions; Couperin, Les Moissonneurs, and Soeur Monique; Gibbons, Preludium; Scarlatti, Pastorale.

VOICE

Note: For Ear Test and Sight-Reading requirements see pages 2166-7.

A complete set of graded exercises, scales, arpeggios, and of sight-reading examples for Voice 7, 8, 9, 10 and 11 is published by the Conservatorium and can be obtained from the Secretary at a cost of 25¢.

VOICE 7

Studies: Vittorio Ricci, Beginner's Appendix — Twenty-Four Little Solfeggios (any three from Nos. 1-12).

Songs: Candidates will have to perform any two songs from the following list, as well as a song of their own choice:

Anon	The Holly and the Ivy — English Folk Song.
	My Love's an Arbutus — Irish Folk Song.
	The Little Red Lark — Irish Folk Song.
	Kitty of Coleraine — Irish Folk Song.
Brahms	Lullaby.
	Sunday.
	Sandman.
E. J. Moeran (arr.) .	The Jolly Carter.
Morley	It was a Lover and his Lass.
Mozart	Lullaby.
Schubert	Who is Sylvia.
	Lullaby.
Martin Shaw	The Cuckoo.
William Shield . . .	The Ploughboy.
H. Willan (arr.) . .	Early One Morning.

VOICE 8 N.B. Refer to note under VOICE, above.

Studies: Vittorio Ricci, Beginner's Appendix — Twenty-Four Little Solfeggios (any three from No. 13 — end).

Songs: Candidates will have to perform any two songs from the following list, as well as a song of their own choice:

Anon	Have You Seen but a Whyte Lillie Grow.

Arne	Where the Bee Sucks.
Brahms	My Maiden has Rosy Lips. Sapphic Ode. Vain Suit (Vergebliches Staendchen).
Dunhill	Little Lambs Where do You Sleep. The Milkmaid.
Franz	Dedication. For Music.
Giordani	My Beloved (Caro mio ben).
Grieg	I Love Thee. The First Primrose.
Handel	Alma mia. Angels Ever Bright and Fair. Slumber, Dear Maid (Largo). Where E'er You Walk.
Michael Head	When Sweet Ann Sings.
Horn	I've been Roaming.
Ireland	The Holy Boy.
Lehmann	Oh! Bother, Sang the Thrush. The Cuckoo. The First Rose.
Liddle	An Old French Carol.
Mendelssohn	On Wings of Song.
Graham Peel	In Summer-Time on Bredon.
Purcell	Nymphs and Shepherds.
Schubert	Hedge Roses. Lindentree. To Music.
Somervell	A Shepherd's Cradle Song.
Eric Thiman	I Love all Graceful Things.
Verracini	Pastorale (arr. A.L.).
Vaughan-Williams	Linden Lee.

VOICE 9 N.B. Refer to note under VOICE, p. 2184.

Studies: Concone: 50 Lessons; Panseron: 42 Vocalises; Panofka: Op. 85, Book I — Schirmer Library No. 595 — and Book II — Schirmer Library No. 596; Abt: Practical Singing Method, Op. 474 (Complete). Candidates will have to perform any three studies of a contrasting technical nature.

Prepared Pieces: Candidates will have to perform two songs and one opera or oratorio excerpt selected from the early Italian or French repertory. The selection may be made from among the following:

Songs:
Brahms, Elgar, Robert Franz, Grieg, Haydn, Ireland, MacDowell, Roger Quilter, Rachmaninoff, Schubert, Schumann, Cyril Scott, Peter Warlock.

Excerpts from Opera or Oratorio:
Caccini, Caldara, Carissimi, Grétry, Lully, Mazzochi, Méhul, Monsigny, Monteverdi, Provenzale. 24 Italian Songs and Arias, Schirmer Library, Vol. 1723; also Anthology of Italian song, Book I or II, Schirmer.

VOICE 10 N.B. Refer to note under VOICE, p. 2184.

Studies: Continuation of work listed under Voice 9.

Prepared Pieces: Candidates will have to perform two songs and one excerpt from Opera or Oratorio. Choice from among the following:

Songs:
Same as under Voice 9.

Opera and Oratorio:
Grétry, Gluck, Handel, Offenbach, Mozart, Paisiello, Piccini, Ambroise Thomas, and Weber. Also Gevaert's Collection, Nos. 34-48, 75, 139, 159, 160, 166, 170, 314, 323, 330, 331, 371, 384, and 389.

VOICE 11 N.B. Refer to note under VOICE, p. 2184.

Studies: Continuation and extension of work listed under Voice 10 (9).

Prepared Pieces: Candidates will have to perform two songs and two operatic or oratorio excerpts, as well as a selection of their own choice:

Songs:
German lied, French art song, English songs, and modern.

Opera and Oratorio:
For suitable selections consult the following: Bach, Arias; Handel, Arias; Handel, Twelve Songs from the Oratorios — Novello ed; Mendelssohn, Elijah (solo music) — Boosey ed.; Royal Operatic Album — Boosey ed. (published separately for each voice).

DEPARTMENT OF ORCHESTRAL INSTRUMENTS

For Ear Test and Sight-Reading requirements for all orchestral instruments and grades, see pages 2166-7.

VIOLIN

VIOLIN 5

Scales: G and A major and minor through two octaves. D major and minor, F major through one octave, one note to each bow. (Minor scales in melodic form only.)

Studies [1]*:* S-VM (No. 13); *or* W-E (No. 2 — with different bowings).

Prepared Pieces: One selection from the following list of pieces: Joseph Bloch, Valsette Op. 33 No. 2; Adam Carse, Marche Militaire; Gordon Jacob, A Bed-Time Song; Herbert Kingsley, Mazurka; Papini, Theme with Variations Op. 57; Rieding, Prière Op. 22 No. 4.

VIOLIN 6

Scales: G, A, and B major and minor through two octaves, four notes to each bow. (Minor scales in melodic form only.)

Arpeggios: G major and minor in first position only through two octaves: (a) one note to the bow; (b) three notes to the bow.

Studies: K-E (No. 1 — played with four different bowings); K-E (No. 7).

Prepared Pieces: One selection from the following list of pieces: Duncan-Rubbra, Four Easy Pieces (any two); Rieding, Concertino in B Minor, Op. 35 (in first position); Seitz, Concertino Op. 22 No. 5; Hans Sitt, Concertino in First Position Op. 93 (First or last movement).

[1] The complete list of recommended studies referred to in the violin and viola courses of the Junior Department is enumerated below. These works will be referred to in the text by means of the indicated letter symbols.

F-E — Fiorillo, Etudes.
K-E — Kayser, Etudes, Op. 20.
Kr-E — Kreutzer, Etudes.
M-TSS — Mazas, Thirty Special Studies, Op. 36.
R-C — Rode, Caprices.
S-VM — Sevcik, Violin Method Op. 6 — Part II.
S-E — Sitt, Etudes, Op. 32 — Bk. III.
W-E — Wohlfarth, Exercises, Op. 74.
W-FS — Wohlfarth, Foundation Studies — Bks. I and II.

VIOLIN 7

Scales: Two octaves of C and B flat major and minor in second position, D major and minor in third and fourth position. Minor scales are to be played in both forms. (a) One note to each bow; (b) three notes slurred to each bow.

Arpeggios: Two octaves in the keys of G and D major and minor: (a) one note to each bow; (b) three notes slurred to each bow.

Studies: K-E (Nos. 9 and 12); S-E (No. 42).

Prepared Pieces: One selection from the following list of pieces:
Dancla, Fragment of a Sonata; R. Hofman, Sonatina No. 3 (first or last movement); Lully-Spalding, Melody; Portnoff, Concerto Op. 15; Seitz, Concerto No. 2.

VIOLIN 8

Scales: Two octaves of E and E flat major and minor (harmonic and melodic) in fourth and fifth position, F major and minor (harmonic and melodic) in fifth and sixth position: (a) one note to each bow; (b) three notes slurred to each bow.

Arpeggios: Two octaves in the keys of E flat, E, and F major and minor.

Studies: K-E (Nos. 13 and 16); M-TSS (No. 4).

Prepared Pieces: Pugnani-Moffat, Allegro entusiastico; Vivaldi: Concerto in A Minor, (first movement, or second and third movement).

VIOLIN 9

Scales: G, A, B flat, and B major and their tonic minors (harmonic and melodic) through three octaves. All scales to be played detached and three notes to a bow.

Arpeggios: G, A, B flat, and B major and minor, through three octaves: (a) one note to each bow; (b) three notes slurred to each bow.

Studies: K-E (Nos. 21 and 29); M-TSS (No. 7).

Prepared Pieces: One selection from the following list of pieces:
Accolay, Concerto in A Minor; Seitz, Concerto No. 3 Op. 12 (first movement) and Concerto No. 4 (first movement) Sitt, Concertino Op. 31, (first or last movement)

VIOLIN 10

Scales: All major and minor (harmonic and melodic) scales through three octaves. Slurred and detached bowing.

Arpeggios: In all major and minor keys through three octaves, one note to a bow and slurred (one bow ascending and one descending.)

Studies: F-E (No. 15); Kr-E (No. 10); M-TSS (No. 18).

Prepared Pieces: Candidates must play the first piece and any one of the other four in the following list of pieces:

Handel, Six Sonatas (any one); Nardini, Concerto in E Minor; Tartini, Sonata in G Minor; Viotti, Concerto No. 23 (first or last movement).

VIOLIN 11

Scales: All major and minor (harmonic and melodic) through three octaves. Also the chromatic scales of C beginning on the G string, and E beginning on the D string, through two octaves. Slurred and detached bowing.

Arpeggios: In all major and minor keys, as well as dominant and diminished seventh chords through three octaves, one note to a bow, and slurred (one bow ascending and one descending).

Studies: One selection from each of the following:
F-E; Kr-E; R-C.

Prepared Pieces: Candidates must play one selection from each of the following groups of pieces:

I. Corelli-Leonard, La Folia; Kreutzer, Concerto No. 19; Rode, Concerto in A Minor, Op. 8; Veracini, Sonata in E Minor.

II. Bach, Concerto in E Major; Bach, Sixth Partita in E Major, for violin alone (first movement only).

VIOLA

VIOLA 7

Prerequisite: Violin 6.

Scales: C, D, and E major and minor melodic in two octaves, four notes to each bow.

Arpeggios: C major and minor in first position only, through two octaves: (a) one note to each bow; (b) three notes to each bow.

Studies: K-E (any one); W-FSI (any one).

Prepared Pieces: Reiding, Concertino in B Minor Op. 35 (viola transcription); *or* an easy selection from Old Masters For Young Players by Moffat-Palascho.

VIOLA 8

Scales: F and E flat major and minor (harmonic and melodic) in second position, G major and minor (harmonic and melodic) in third and fourth positions, through two octaves: (a) one note to each bow; (b) two notes slurred to each bow.

Arpeggios: C and G major and minor, through two octaves: (a) one note to each bow; (b) three notes slurred to each bow.

Studies: K-E (any one); W-FS2 (any one).

Prepared Pieces: R. V. Williams, Viola Suite; (Carol, Ballade and Musette) *or* selections from Old Master For Young Players by Moffat-Palascho.

VIOLA 9

Scales: C, D, E flat, and E major and their tonic minors (harmonic and melodic) through three octaves. To be played detached and three notes to a bow.

Arpeggios: C, D, E flat, and E major and their tonic minors through three octaves. To be played detached and three notes to a bow.

Studies: K-E (Nos. 21 and 29); M-TSS (No. 7).

Prepared Pieces: Grazioli, Sonata in F; *or* M. Marais, Five Old French Dances; *or* three selections from Album of Classical Pieces, adapted for the viola by Klengel.

VIOLA 10

Scales: All major and minor (harmonic and melodic) scales through three octaves. Slurred and detached bowing.

Arpeggios: All major and minor keys through three octaves, detached and slurred (one bow ascending and one descending).

Studies: F-E (No. 15); K-E (No. 10); M-TSS (No. 18).

Prepared Pieces: Handel, Sonatas (any one of the six); Mozart, Divertimento in C; *or* Sitt, Concerto Op. 68.

VIOLA 11

Scales: All major and minor (harmonic and melodic) scales through three octaves. Also the chromatic scale of F beginning on C string, and of A beginning on G string, through two octaves. Slurred and detached.

Arpeggios: All major and minor keys, as well as dominant and diminished seventh chords, through three octaves, detached and slurred (one bow ascending and one descending.)

Studies: Three studies, one from each of the following: F-E; Kr-E; R-C.

Prepared Pieces: Ariosti, Sonata No. 2; *or* Handel, Concerto. Bruch, Romance; *or* P. Juon, Sonata; *or* Hindemith, Trauermusik.

CELLO

CELLO 7

Scales and Arpeggios: C, G, D, and F major; A and D minor, through two octaves.

Studies: L. Feuillard, Studies For The Young Cellist (Nos. 11 and 17). Lee, Forty Studies Op. 31, No. 4; *or* Whitehouse, Progressive Studies For The Violoncello (Nos. 11, 12, 16 and 18).

Prepared Pieces: Howard Ferguson, Five Irish Folk Tunes (A Jig, and Cradle Song).

CELLO 8

Scales: Arpeggios: E, A, D, A flat, E flat, and B flat major, and C sharp, F sharp, B, F, C, and G major, through two octaves.

Studies: Dotzauer, 113 Studies (Nos. 10 and 33); L. Feuillard, Studies For The Young Cellist (Nos. 35 and 51).

Prepared Pieces: W. H. Squire, Gavotte Op. 5. — Augener ed. No. 7704b. Also one additional piece, to be selected by the teacher.

CELLO 9

Scales and Arpeggios: All major and minor, through two octaves: (a) detached; (b) slurred, two notes to a bow, and four notes to a bow. All major keys, through two octaves.

Studies: Dotzauer, 113 Studies (any two advanced studies); Merk, Studies (Nos. 1 and 2). Duport, Exercises (No. 9); *or* Whitehouse, Progressive Studies For The Violoncello (Nos. 19, 20, 22, 24, 25, and 27).

Prepared Pieces: Golterman, Concerto in G (first movement). Sammartini, Sonata in G. Also one additional piece, to be selected by the teacher.

CELLO 10

Scales: All major and minor melodic through three octaves: (a) detached; (b) slurred, two, four, or eight notes to a bow.

Arpeggios: All major and minor keys, through three octaves.

Studies: Duport: Any two studies.

Prepared Pieces: J. Barbirolli, Six Airs, arranged for 'cello (any two); *or* Goltermann, Concerto in B Minor (first movement); *and* Eccles, Sonata in G Minor.

CELLO 11

Scales: All major and minor melodic scales through three octaves. Chromatic scale of F beginning on the C string, and of C beginning on the G string, through two octaves. Slurred and detached bowing.

Arpeggios: All major and minor, through three octaves.

Studies: J. L. Duport, Study No. 7, *or* Caprice. Franchomme, Studies (any one); *or* Grutzmacher, Studies (any one).

Prepared Pieces: Bach, Suites (two movements from any one); Saint-Saens, Concerto in A Minor (first movement).

DOUBLE BASS

DOUBLE BASS 8

Scales: F, G, B flat, A, E, and F sharp major, and F, E, G, A, B harmonic minor, in quarter notes and eighth notes, detached and bowed.

Arpeggios: Same keys as for scales, through two octaves.

Studies: Bille, Nanny, Simandl, — up to the second position.

DOUBLE BASS 9

Scales: Same keys as Double Bass 8, in quarter notes, eighth notes, and triplets, eight notes to the bow, MM 70.

Arpeggios: Same as Double Bass 8.

Studies: Simandl, 30 Etudes. Also studies in Nanny and Findeisen. Findeisen's, Nanny's or Simandl's method up to the fourth position.

Prepared Pieces: Beethoven, Ninth Symphony (recitativo bass part); Saint-Saens, Carnival of the Animals (The Elephant).

DOUBLE BASS 10

Scales: All major and minor keys through two octaves, detached and tied by two, four, and six notes to the bow. Triplets, three and six notes to the bow, MM 70.

Arpeggios: In all major and minor keys.

Studies: Hrabe, Studies; — with different bowings using two, four, and six notes to the bow; Kreutzer, Studies.

Prepared Pieces: Beethoven, Fifth Symphony (bass part); Brahms, Second Symphony (bass part); Verrismt, Concerto in B flat — Leduc Ed.

DOUBLE BASS 11

Scales: All major and minor keys, through three octaves. Harmonics. Combination of rhythm and bowing.

Arpeggios: In all major and minor keys.

Studies: Kreutzer, Studies (two); Storch-Hrabe, Etudes.

Prepared Pieces: Beethoven, Ninth Symphony (bass part); Brahms, First Symphony (bass part); Dittersdorf, Concerto in E Major.

FLUTE

FLUTE 8. Production of tone, low C to high E; Altès, Flute Method, Part I; Major scales to two sharps and flats. Simple pieces with and without accompaniment.

FLUTE 9. Knowledge of chromatic range from low C to high A. Major and minor scales to five sharps and five flats. Arpeggios in the simple keys. Altès, Flute Method, Part II. Gariboldi, Etudes mignonnes; Kohler, Duets; Moyse, Twenty-Four Short Melodious Studies with Variations. Easy pieces.

FLUTE 10. Knowledge of entire range. Scales, triads, and seventh chords. Chromatic scales. Cavally, Melodious and Progressive Studies—Bk. I; Gariboldi, Complete Scales; Kohler, Fifteen Easy Exercises Op. 33—Bk. I. Sonatas by Loeillet and other masters of the seventeenth and eighteenth century.

FLUTE 11. Broken triads and seventh chords, whole tone scales. Berbiguier, Etudes; Cavally, Melodious and Progressive Studies, Bk. II; Kohler, Twelve Exercises Op. 33—Bk. II; Taffanel—Gaubert, Daily Finger Exercises and Progressive Studies. Sonatas by Handel, Loeillet, Mozart (Andante), Purcell, Telemann.

RECORDER

RECORDER 7. Duschenes, Method for the Recorder (BMI Canada); major scales to two sharps and flats; Duschenes, Studies in Recorder Playing; easy duets and pieces with piano; sight-reading.

RECORDER 8. Major and minor scales and arpeggios to three sharps and three flats; Duschenes, Studies in Recorder Playing; Duets by English and French masters of the seventeenth and eighteenth century; "Spielstuecke" of the seventeenth century; easy sonatas by Pepusch, Schickhardt; Fuenf leichte Suiten aus dem Barock (Schott); Johann Fischer, Suites: Trio Sonatas by Sammartini, Bononcini (Schott); sight-reading; ability to play both soprano and alto recorders.

RECORDER 9. Scales and arpeggios to five sharps and flats; Fifteen Solos by Anonymous Masters of the Eighteenth Century (Schott); Duschenes, Studies in Recorder Playing; Telemann, Duets; Sonatas by Haendel, Loeillet, Purcell, Vivaldi; Trio Sonatas by Loeillet, Schickhardt; Variations "Greensleeves to a Ground" (Schott); Hoeffer-Winterfeld Technische Studien fuer Altfloete; study of the history of the flute family; ability to play soprano, also, tenor, bass recorders; sight-reading.

RECORDER 10. Duschenes, Studies in Recorder Playing, Moenkemeyer, Hohe Schule (Moeck); Hoeffer-Winterfeld. 40 Studies (Sikorski); Telemann, Sonatas; Trio Sonatas by Telemann, Haendel, Quantz, Bach, Brandenburg Concerto No. 4; Telemann, Suite in A minor, Concerto in G minor, obbligato parts to Bach arias; Graupner Concerto; Tate, Spielstuecke (Baerenreiter); Hoeffer-Winterfeld, 12 Etuden fuer Altfloete; ability to play in C clef third line, sight-reading.

RECORDER 11. Moenkemeyer, Hohe Schule, Hoeffer-Winterfeld, Bachstudien; Berkeley, Sonatina; Genzmer, Sonata; Telemann, Sonata in C, Vivaldi, 6 concertos; Bach, Brandenburg Concerto No. 2; ability to conduct a recorder ensemble; sight-reading.

OBOE (ENGLISH HORN)

OBOE 8. Posture. Position of the reed. Action of the tongue. Scales. Barret, Forty-Two Progressive Studies for the Oboe; F. Gillet, Beginning of the Oboe.

OBOE 9. Scales, thirds and arpeggios. Barret, Four Sonatas and Sixteen Studies; F. Gillet, Twenty Minutes Practice.

OBOE 10. Scales. F. Gillet, Intervals and Staccato; Sellner, Exercises in Articulation; Sellner, Six First Duos for Two Oboes (Sonata Form).

OBOE 11. Brod, Twenty Studies; Sellner, Six Last Duos for Two Oboes. Handel, Sonata in C Minor.

CLARINET

CLARINET 7. Position of lips and fingers. Tone production. Scales up to one flat and one sharp. Diminished seventh arpeggios. Finger exercises derived from the diminished seventh arpeggio.

CLARINET 8. Chromatic scales. Major and minor scales. Major and minor thirds. Legato and staccato

CLARINET 9. Intervals of third, fourth, and fifth in major and harmonic minor keys. Chromatic exercises. Legato and staccato. C. Rose, Thirty-Two Studies for the Clarinet.

CLARINET 10. Chromatic exercises. Chromatic thirds and fourths. Whole tone scales. Transposition in A. Labanchi Method.

CLARINET 11. Transposition in both A and B; use of C clefs. Labanchi Method continued. Le Roy, Fifteen Concert Etudes from J. S. Bach; Louis de Santis, New Studies for the Clarinet. G. Marty, Fantasy for Clarinet and Orchestra; Weber, Concertino.

SAXOPHONE

SAXOPHONE 10. Major and minor scales and arpeggios. Chromatic scales. Klose, Etudes; Ben Verecken, Studies — Bk. I.

Prerequisite: Clarinet 9.

SAXOPHONE 11. Labanchi — Iasilli, Bk. I; Mule — Soussman, Vol. I. Advanced studies on chromatics. Transposition. Solos of intermediate difficulty.

BASSOON

BASSOON 8. Placement of reed in mouth. Action of tongue and lips. Holding the instrument. Practice of attacks, long tones, fingerings, scales.

BASSOON 9. Extension of range. Scale studies. Exercises on articulations. Weissenborn, Studies — Bks. I and II.

BASSOON 10. Tenor clefs. Major and minor scales up to four sharps and four flats. Intonation. Reed making. Bourdeaux, Premier Solo de Concours.

BASSOON 11. Completion of scale studies. Legato and staccato. Eugène Jancourt, Grande Etude pour Basson Op. 55; L. Milde, Twenty-Four Studies in All Keys Op. 24.

TRUMPET

TRUMPET 8

Scales and Arpeggios: C, F, and G with their relative minors (harmonic), to be played slowly, both detached and slurred through one octave.

Studies: Arban's Method (No. 25, p. 30, and No. 28, p. 32).

TRUMPET 9

Scales and Arpeggios: D, A, E, B, B flat, E flat, A flat, and D flat major, with their relative minors, to be played both legato and detached.

Studies: Arban's Method (Characteristic Study, No. 1, p. 285).

TRUMPET 10

Scales and Arpeggios: All major scales and arpeggios and their relative harmonic minors, to be played legato and detached.

Studies: Bousquet Studies — St. Jacome Method (No. 7 to be transposed to trumpet in A, a half tone down, and to trumpet in C, one tone up; also No. 17).

TRUMPET 11

Scales and Arpeggios: All major and minor (melodic and harmonic) scales and arpeggios to be played single — and double — tongued.

Studies: Charlier, Etudes for Trumpet (p. 5); Sachse, Etudes for Trumpet (No. 3 to be transposed to trumpet in A, C, D, E flat and F); St. Jacome, Method for Trumpet (No. 6 of Characteristic Studies).

FRENCH HORN

FRENCH HORN 11. Tone production, embouchure formation. Use of breath and tongue. Natural overtones, interval relations, arpeggio figures. Diatonic and chromatic passages, staccato and legato, in varying rhythms.

TROMBONE (TUBA)

TROMBONE 11. Correct stance: position of body and correct manner of holding instrument. Mouthpiece placement. Breath control. Attack and release of tone. All major and minor scales with tonic chords. Basic exercises in Arban and Sorgey Methods.

PERCUSSION

PERCUSSION 11. Snare drum: rudiments; rolls in various nuances. First part of Podemski Snare Drum Method. Mallets (pertaining to all phonetic instruments which are struck): major and minor scales. First part of William Dorn Method. One solo piece. Timpani: Goodman Method (first section).

HARP

HARP 8. Hand position. Basic scales and arpeggios. Grossi, Harp Method. Candidates must prepare three selections from the following list of pieces: Bach — Abrams, Two Minuets in G — in A Treasury of Easy Classics[1]; Grandjany, Bagatelles; Grandjany, Three Easy Pieces (Nocturne, Bagatelles); Hasselmans, Berceuse en sol mineur; Hasselmans, Trois pièces faciles (Rêverie); Maykapak-Abrams, The Blacksmith; Mozart — Abrams, Andantino, K. 236; Prokofieff — Abrams, Fairy Tale; Salzedo, Preludes Intimes (Nos. 1 and 3); Scarlatti — Abrams, Larghetto in D Minor — TEC.

HARP 9. Major scales through one and a half octaves. N. D. Bochsa, Forty Progressive Studies — Bk. I (any four studies).

Candidates must prepare three selections from the following list of pieces: Bach — Abrams, Polonaise — TEC; Bach — Abrams, Twelve Little Preludes (Pour le luth) — TEC; Beethoven — Abrams, Sonatina in G — TEC; Grandjany, Greetings; Grandjany, In a Dancing Mood — Harp Album; Grandjany, Le bon petit roi d'Yvetot; Grandjany, On an Old Christmas Song; Handel — Abrams, Prelude in G — TEC; Renié, Angelus; Renié, Première suite des six pièces (Auprès du ruisseau); Renié, Danse d'autrefois; Renié, Esquisse.

[1] Referred to henceforth as TEC.

HARP 10. Major and minor scales through three octaves. Major sixth and dominant ninth glissandi. Pozzoli, Studi di media difficolta per arpa (any two studies).

Candidates must prepare three selections from the following list of pieces: Beethoven, Six Easy Variations on a Swiss Air; Debussy — Grandjany, La Fille aux cheveux de lin; Donizetti — Schneker, Lucia di Lamermoor (Cadenza); Grandjany, Arabesque; Grandjany, Et ron, ron, ron, petit patapon; Grandjany, Noël provençal; Grandjany, The Pageant Begins; Kirchhoff — Grandjany, Aria and Rigaudon; Renié, Contemplation; Saint-Saens, Fantaisie; Tournier, Au matin; Zabel, Marguerite douloureuse.

HARP 11. Diminished seventh glissandi. Naderman, Sept sonates progressives (any two sonatas).

Candidates must prepare three selections from the following list of pieces: Bach-Grandjany, Largo; Busser, Pièce de Concert; Couperin-Salzedo, Giga; Debussy-Renié, First Arabesque; Granados-Abrams, The Last Pavane; Grandjany, Aria in the Classical Style for Harp and Strings (or Organ); Grandjany, Automne; Grandjany, Old Chinese Song; Handel-Grandjany, Sarabande; Hasselman, La Source; Hasselmans, Patrouille; Pierné, Impromptu-Caprice; Rousseau, Variations pastorales sur un vieux Noël; Salzedo, Suite of Eight Dances (Seguidilla and Rumba); Schobert-Grandjany, Andante; Tournier, Berceuse russe; Tournier, Féerie; Tournier, Images, Premier suite (Lolita, La Danseuse).

ENSEMBLE COURSES

COLLEGIUM MUSICUM 10. Concerted music of the Renaissance for viols, recorders and other early wind instruments. Also music for voice (or voices) in combination with these, or with keyboard instruments or lute. Examinations will include tests relating to the technique (scales,

exercises, and studies of the individual players. The course is open to partials who are proficient in performing upon a modern stringed, wind or keyboard instrument, or who have some knowledge of the rudiments of musical theory and harmony.

COLLEGIUM MUSICUM 11. A continuation of Collegium Musicum 10.

LOCAL CENTRES

The following places have been adopted as centres for public Examinations in Music; others will be added as necessity requires, but in all cases the establishment of a centre depends upon a sufficient number of candidates applying. All examinations for Certificates in the Local Grades, as well as those for the A. Mus. are held at these centres:

BURY — *Hon. Secretary:* Mrs. F. H. Harrison, Bishopton

CAMPBELL'S BAY — *Hon. Representative:*
Hon. Secretary: Sister St. Andrew, St. Joseph's Convent.

CHAPEAU — *Hon. Representative:*
Hon. Secretary: Sister Frances Teresa, St. Joseph's Convent.

EDMONTON — *Hon. Representative:* T. Robinson, Esq., 10011 - 105th St.
Hon. Secretary: Prof. J. Surette, 8737 - 96th St.

FERNIE — *Hon. Representative:* Sydney Crookes, Esq.
Hon. Secretary: Mrs. A. White, Cranbrook.

FREDERICTON — *Hon. Representative:*
Hon. Secretary: R. W. Mott, Esq., L.Mus. (McGill), 374 Charlotte St.

GRANBY — *Hon. Secretary:* Mrs. H. W. Bowker, 212 Denison Ave.

HALIFAX — *Hon. Representative:*
Hon. Secretary: Miss M. H. Boak, 78 Morris St.

MONCTON — *Hon. Representative:* The Rev. J. A. Ramsay, D.D., The Manse, Alma St.
Hon. Secretary: Miss Marion Murray, 185 Mountain Road.

MOOSE JAW — *Hon. Representative:* S. R. Stephens, Esq., City Librarian, Public Library.
Hon. Secretary: Academy of Sion.

PETERBORO	*Hon. Representative:* John T. Donaldson, Esq., 223 Crescent St. *Hon. Secretary:* F. G. Mann, Esq., F.M.C.M., 203 London St.
QUYON	*Hon. Secretary:* Mrs. Evelyn M. McDowell, Shawville.
REGINA	*Hon. Representative:* Regina Conservatory of Music. *Hon. Secretary:* Mrs. R. H. Johnston, L.Mus. (McGill), Darke Hall.
RIVER JOHN	*Hon. Secretary:* Mrs. Harold Lisson.
SAINT JOHN	*Hon. Secretary:* Dr. H. C. Dunlop, L.Mus., 75 Orange St.
SHERBROOKE	*Hon. Secretary:* Wright W. Gibson, Esq., M.A., F.M.C.M., High School.
SMITHS FALLS	*Hon. Secretary:* A. W. Lucas, Esq., L.Mus., Box 85.
SYDNEY MINES	*Hon. Secretary:* H. A. Briers, Esq., F.M.C.M., Box 438.
TRURO	*Hon. Representative:* Douglas Baker, Esq., 10 Queen St. *Hon. Secretary:* Miss Bertha Dunn, L. Mus., F.M.C.M. (McGill), 11 Victoria St.
VICTORIA	*Hon. Secretary:* R. H. Cox, Esq., L.Mus. (McGill),
VANCOUVER ISLAND	1462 Fort St.

McGill University

Montreal

Faculty of Divinity

Divinity Hall

1961-1962

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
Institute of Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, and School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

McGill University

FACULTY OF DIVINITY

ADMINISTRATIVE OFFICERS

THE UNIVERSITY—

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

D. L. Thomson, Ph.D., D.Sc., LL.D., F.C.I.C., F.R.S.C. — *Vice-Principal*

John H. Holton, B.Com. — *Secretary of the Board of Governors*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

Richard Pennington, B.A., Lib.Dip. — *University Librarian*

G. A. Grimson, B.Com. — *Comptroller*

FACULTY OF DIVINITY—

S. B. Frost, B.D., M.Th., Dr. Phil. — *Dean of the Faculty*

W. C. Smith, M.A., Ph.D. — *Secretary of the Faculty*

A complete list of the teaching staff of the University, including the Faculty of Divinity, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

The Faculty of Divinity, its theological library and reading room, chapel, classrooms, auditorium, common rooms, and office are in Divinity Hall, 3520 University Street.

Daily Services open to all members of the University are held in the Chapel during the session at times intimated on the notice-boards.

CALENDAR FOR THE SESSION 1961-62

1961

September 11th, Monday..... Supplemental Examinations begin.

September 15th, Friday..... Registration (Postgraduate Students).

September 18th, Monday..... } Birks Lectures and Alumni Reunion.

September 19th, Tuesday..... }

September 20th, Wednesday..... } Registration (Undergraduate Students).

September 21st, Thursday..... }

September 22nd, Friday..... Lectures begin.

October 6th, Friday..... Fall Convocation.

November 11th, Saturday..... Remembrance Day Service.

December 21st, Thursday..... Last day of Lectures.

1962

January 8th, Monday.....Second term begins.
February 16th, Friday.....
February 17th, Saturday..... } Mid-term holidays.
April 6th, Friday.....Lectures end.
April 20th, Friday.....
April 23rd, Monday..... } Easter Vacation.
April 24th, Tuesday.....Examinations begin.
May 30th, Wednesday.....Convocation.

TEACHING STAFF OF THE FACULTY OF DIVINITY

STANLEY BRICE FROST, B.D., M.Th. (Lond.), Dr. Phil. (Marburg)
Dean of the Faculty and Professor of Old Testament Language and Literature

ERIC GEORGE JAY, M.A. (Leeds), B.D., M.Th., Ph.D. (Lond.)
Professor of Systematic Theology

GEORGE JOHNSTON, M.A., B.D., D.D.(Hon.) (Glasgow), Ph.D. (Cantab.)
Professor of New Testament Language and Literature

WILFRED CANTWELL SMITH, B.A. (Toronto), M.A., Ph.D. (Princeton)
W. M. Birks Professor of Comparative Religion

HENRY HORACE WALSH, B.D. (General Synod), M.A. (King's), S.T.M. (General Theological Seminary), Ph.D. (Columbia)
Professor of Church History

JOSEPH MCLELLAND, B.A. (McMaster), M.A., B.D. (Toronto), Ph.D. (Edin.)
Associate Professor of Philosophy of Religion

DONALD DWIGHT EVANS, B.A. (Toronto), B.Ph. (Oxon.), B.D.
Assistant Professor of Philosophy of Religion

JOHN ARTHUR BOORMAN, B.A.(Alberta), M.A., Ph.D. (Columbia).
Assistant Professor of Christian Ethics

JOHN CHARLES KIRBY, S.T.B. (General Theological Seminary, New York), B.A., S.T.M.
Lecturer in New Testament

CHARLES JOSEPH ADAMS, A.B. (Baylor), Ph.D. (Chicago)
Lecturer in Comparative Religion

WILLARD GURDON OXTOBY, B.A. (Stanford), M.A. (Princeton)
Lecturer in Semitic Languages

ISMA'IL FARUQI, B.A. (Beirut), M.A. (Harvard), M.A., Ph.D. (Indiana)
Visiting Fellow

The Faculty of Divinity

GENERAL

The Faculty was created by the Senate of the University in 1948, following negotiations with the Montreal Diocesan College, the United Theological College (Montreal) and the Joint Board of Theological Colleges affiliated to McGill University, and admission is open to any qualified student. The Faculty operates in immediate association with the aforementioned colleges, which accept the courses of instruction in respect of their candidates for ordination. At the same time, the Colleges preserve their separate identity and provide corporate life, residential accommodation, and courses of practical training. The Colleges also offer bursaries and financial assistance to their students.

The Faculty of Divinity offers a three-year course leading to the degree of Bachelor of Divinity (B.D.) general or with honours. The basic entrance requirement is a Bachelor's degree from a recognized university, and there are also prerequisites in certain subjects, as noted in the following pages. In co-operation with the Faculty of Graduate Studies and Research, the degrees of Master of Theology (S.T.M.) and Doctor of Philosophy (Ph.D.) are offered. Particulars will be found on page 2315.

The B.D. course provides an education in the Biblical, Historical, Theological and Philosophical aspects of the Christian Religion. Additional courses in Practical and Pastoral Theology and in subjects for which a distinctive form of training is required by a particular Communion, are provided by the participating theological colleges. The Montreal Diocesan Theological College of the Anglican Church of Canada and the United Theological College of the United Church of Canada also grant their own diplomas on completion of the course for ordination. Ordinands who belong to other Communions should consult their own ecclesiastical authorities before applying to one or other of these colleges for training in the subjects which are required of ordination candidates, but which do not form part of the B.D. course in the Faculty of Divinity.

The Faculty also provides instruction for ordination candidates who are enrolled in the participating colleges, but who, through lack of qualification in pre-requisite studies, are not eligible to become candidates for the B.D. degree. They are admitted as Partial Students (see page 2307).

REQUIREMENTS FOR ADMISSION

A Bachelor's degree from a recognized university, preferably the B.A., is the basic prerequisite.

It is also advised that the following courses shall have been completed in the Faculty of Arts and Science of McGill University, or their equivalent in another recognized university:

Courses are designated as in the Announcement of the Faculty of Arts and Science.

Greek:	Greek 1, 2 and 223.
Philosophy:	Philosophy 200 and 300 or 330 or 360.
History:	History 100 and 205 or 305 or 410.
Religion:	Religion 200, 300 and 400 or 410.
English:	English 100, and one additional course.

Students who intend to enter the Faculty should consult with the Dean or with the Principal of their prospective College, who will advise them concerning the most suitable course of studies.

ADVANCED STANDING

Admission to advanced standing in the B.D. course may be granted to suitable applicants from recognized institutions, but in no case will the B.D. degree be granted after less than two years' intramural study in the Faculty of Divinity.

APPLICATION AND REGISTRATION

Intending students of the Faculty of Divinity must submit to the Dean an application with supporting documents before August 1st, 1961. Requests for the necessary application forms should be sent to the Dean's Secretary, Divinity Hall, 3520 University St., Montreal 2.

Registration will take place at the Office of the Dean on Wednesday, September 20th, and Thursday, September 21st, 1961. Students registering late will be required to pay the special fee for late registration unless exempted by the Registrar for sufficient reasons.

CLASSES OF STUDENT

(1) *Regular* Students who are admitted to the B.D. course and who are taking the full number of lecture courses of the year in which they are enrolled.

(ii) *Limited* Students who are admitted to the B.D. course, but who are unable to undertake the full work of the B.D. curriculum. Such students may, in exceptional circumstances and with the Dean's permission, extend their course for the B.D. degree beyond the normal period of three years.

(iii) *Partial* Students who are not registered as proceeding to the B.D. degree, but who can satisfy the Dean and Faculty of their ability to do the work of the courses to which they seek admission. Ordination candidates registered in one of the participating colleges, and who are not eligible for entrance to the B.D. course, will be advised by the Principal of the College as to the courses of the B.D. curriculum to which they should seek admission as Partial students.

(iv) *Graduate* Students enrolled in the Faculty of Graduate Studies and Research who are candidates for the degrees of S.T.M. and Ph.D.

FEES

(1) Regular, Limited, and Partial students in the Faculty of Divinity who are candidates for ordination registered in one of the participating theological colleges, will be exempted from payment of tuition fees, in view of the contribution of the colleges to the support of the Faculty. Such Regular and Limited students will, however, be required to pay the annual Health Service fee, $7.00 (if in residence, $10.00), Athletics fee, $15.00, and the Students' Society fee, $15.00.

(2) The University fee for all other full-time students will be $400.00 a session, and includes all the regular charges of the University for tuition, registration, health service, libraries, sports, games, graduation and Students' Society fee.

(3) Limited students, and Partial students, not candidates for ordination, who are taking one or two courses, will pay $115.00 for each full course, and $10.00 to the Students' Society. If taking three or more courses, such students will pay the Health Service fee of $7.00 (if in residence, $10.00), the Athletics fee of $15.00, and the full Students' Society fee of $15.00.

(4) Partial students who are candidates for ordination registered in one of the participating theological colleges, will be exempted from payment of tuition fees, but will pay the extra fees listed in (3) above.

(5) Fees for Graduate students are shown in the Announcement of the Faculty of Graduate Studies and Research. Particulars may be had on application.

For further information about the payment of fees, consult the General Information Pamphlet included with this Announcement.

EXAMINATIONS

Sessional examinations are held late in April.

The pass mark in all examinations is 50%. First class standing is 80% and over, second class standing 65% to 79%, and third class standing 50% to 64%.

FAILURES AND SUPPLEMENTAL EXAMINATIONS

A student who has failed in an examination may apply for permission to write a supplemental examination in the following September. A student who has failed in more than two full courses must withdraw from the Faculty or, with the Dean's permission, repeat his year.

CONDITIONED STANDING

A student who lacks not more than one full course of the entrance requirements to any year of the B.D. course, may be admitted by the Faculty with conditioned standing. He is not permitted to carry this condition for more than one session.

CURRICULUM FOR THE GENERAL B.D. DEGREE (1961-1962)

Note: In the First year, students who possess the necessary qualification in Greek take Hebrew as their Biblical language. Others choose between *Hebrew* and *Greek*. The Second and Third years take the following classes together in alternate years: *Old Testament*, *New Testament*, *Systematic Theology*. In the Third year, second term, students must choose their optional subject as *Church History*, *Comparative Religion*, *Christian Ethics* or *Pastoral Psychology*. For details of courses see pages 2310 *et seq*.

FIRST YEAR

Old Testament.....2 hours and tutorials, session
New Testament.....2 hours and tutorials, session
Systematic Theology.....2 hours and tutorials, session
Philosophy of Religion.....2 hours and tutorials, first term
Church History.....2 hours and tutorials, second term
Biblical language.....3 hours, session

Total lecture and tutorial hours: 12 hours per week, session.

SECOND YEAR

Old Testament.....2 hours and tutorials, second term
New Testament.....2 hours and tutorials, session
Systematic Theology.....2 hours and tutorials, first term
Philosophy of Religion.....2 hours and tutorials, second term
Church History.....2 hours and tutorials, session
Comparative Religion.....2 hours and tutorials, first term
Pastoral Psychology.....2 hours and tutorials, first term
Christian Ethics.....2 hours and tutorials, second term
Biblical Language.....1 hour, session

Total lecture and tutorial hours; 12 hours per week, session.

THIRD YEAR

Old Testament.....2 hours and tutorials, second term
New Testament.....2 hours and tutorials, session
Systematic Theology.....2 hours and tutorials, first term
Philosophy of Religion.....2 hours and tutorials, first term
Church History.....1 hour, first term
Optional subject.....2 hours and tutorials, second term
Biblical Language.....1 hour, session

Total lecture and tutorial hours: 9 hours per week, first term.
8 hours per week, second term.

(*Note: the Associated Colleges normally require 4 hours per week in each session for Vocational Training.*)

The presentation of an acceptable thesis embodying the results of specialized study is a requirement for the B.D. degree. (See Regulations, page 2314.)

DEGREE OF B.D. WITH HONOURS

(1) Students in the regular B.D. course may apply for admission to the Honours B.D. programme normally at the beginning of the Second year, but not later than the beginning of the Third year. Permission to enter the Honours programme is granted by Faculty.

(2) The Honours programme is designed to give students of greater capacity the opportunity to specialize in one of the areas of the regular B.D. programme. The normal evidence indicating that a student has such a greater capacity will be the attainment of an 'A' mark in the area of proposed specialization and a good 'B' mark average (at least 70%) in the rest of the B.D. course.

(3) There will be no alteration of the regular B.D. syllabus unless for some unusual circumstance relating to a particular student. If any courses are considered less valuable for such a student, other courses of equivalent weight will be substituted in the regular B.D. syllabus.

(4) Candidates for Honours in the biblical subjects will be expected to have a reading knowledge of Hebrew and Greek. This qualification is recommended for all Honours candidates, but may be waived at the discretion of Faculty.

(5) The Honours specialization will be provided for by reading-lists and tutorials. Students accepted for Honours should consult with the professor of the subject in which they have chosen to specialize.

(6) The specialized study will be the subject of an additional three-hour paper in the final examinations of the Third year.

(7) The thesis of an Honours student will be expected to be of a higher standard than those of the regular B.D. programme. (*See also* Regulations for the submission of the B.D. thesis, p. 2314.)

(8) The class of the Honours degree awarded to the successful candidate will be recommended by Faculty to Senate on the results of the general B.D. examination, the mark attained in the special paper and the mark assigned to the thesis.

DESCRIPTION OF COURSES

OLD TESTAMENT

Professor S. B. Frost
Lecturer W. G. Oxtoby

OLD TESTAMENT 1A—AN INTRODUCTION TO OLD TESTAMENT STUDIES

Presuppositions. (*a*) The Geography of Near East and of Palestine. The History of Near East to 4 B.C. The Identity of the Hebrews. The History of the Hebrews. (*b*) The Literature known as the Old Testament. Its text and transmission.

OLD TESTAMENT 1B—OLD TESTAMENT PROPHECY

(*a*) The origins and character of prophecy. The Schools of the Prophets. The Eighth Century Prophets. The Prophets of the Exile. The Post-Exilic Prophets. (*b*) The Structure of the Book of Isaiah, with exegesis of selected chapters.

OLD TESTAMENT 2B—HEBREW POETIC AND WISDOM LITERATURE

The nature, structure and origins of the Psalter. The nature of Hebrew Poetry. Types of psalms: Hymns, Royal, Enthronement, Laments, Didactic. Exegesis of selected psalms. The Wisdom Literature. (*Not given in 1961-62.*)

OLD TESTAMENT 3B—THE PENTATEUCH

The nature and content of the Pentateuch. The history of Pentateuchal Criticism. The analysis and character of the Pentateuchal Sources. Exegesis of selected chapters. The main theological terms of the Old Testament. (*Given in 1961-62.*)

HEBREW 1

The rudiments of Biblical Hebrew.

HEBREW 2 AND 3

Advanced grammar. Translation of selected Hebrew texts.

NEW TESTAMENT

Professor G. JOHNSTON
Lecturer J. C. KIRBY

NEW TESTAMENT 1—INTRODUCTION TO NEW TESTAMENT STUDIES

The political and religious background; the canon, text, and versions of the New Testament; the Synoptic Problem; text of the Synoptic Gospels and the Acts of the Apostles.

NEW TESTAMENT 2A—THE LIFE AND TEACHING OF ST. PAUL

Introduction to the Pauline Epistles, with exegesis of selected portions in Greek; introduction to the Pastoral Epistles. (*Not given in 1961-62.*)

NEW TESTAMENT 3—THE EPISTLE TO THE HEBREWS; THE GENERAL EPISTLES, AND THE JOHANNINE LITERATURE

Introduction, with exegesis of selected portions in Greek. (*Given in 1961-62.*)

GREEK 1

The rudiments of New Testament Greek.

GREEK 2 AND 3

Advanced grammar. Translation of selected Greek texts.

CHURCH HISTORY

Professor H. H. WALSH

CHURCH HISTORY 1B—THE FIRST FIVE CENTURIES

The world in which the Church was founded, and the Christian development.

CHURCH HISTORY 2A—THE CHURCH IN THE MIDDLE AGES

From the Teutonic invasions to the Reforming Councils.

CHURCH HISTORY 2B—THE REFORMATION AND THE COUNTER-REFORMATION

A brief survey of the Eastern Churches and of missionary activity during this era will be included.

CHURCH HISTORY 3A—CANADIAN CHURCH HISTORY

A study of the origin and development of the various branches of the Christian Church in the Canadian setting.

CHURCH HISTORY 3B (OPTIONAL)—HISTORY OF THE MODERN CHURCH

European Christianity from the 18th Century; the world-wide expansion of Christianity with special reference to the Ecumenical Movement.

SYSTEMATIC THEOLOGY

Professor E. G. JAY

SYSTEMATIC THEOLOGY 1A—HISTORICAL INTRODUCTION

The development of Christian Thought: a study of selected theologians from Irenaeus to Paul Tillich; with reference to original sources.

SYSTEMATIC THEOLOGY 1B—SIGNIFICANCE OF THE CHRISTIAN DOCTRINE OF CREATION FOR TO-DAY

The Christian concept of the Triune God—The Christian Estimate of Man—Finitude, Freedom and Sin.—The Need of Salvation.

SYSTEMATIC THEOLOGY 2A—THE DOCTRINE OF REDEMPTION

What think ye of Christ —The significance of the Incarnation—Interpretations of the Atonement. (*Not given in 1961-62.*)

SYSTEMATIC THEOLOGY 2B—THE DOCTRINE OF SANCTIFICATION

The Doctrine of the Holy Spirit—Eternal Life—Human Destiny—Divine Judgment. (*Not given in 1961-62.*)

SYSTEMATIC THEOLOGY 3B—THE CHURCH, THE MINISTRY AND THE SACRAMENTS

The Nature and the Function of the Church in the light of traditional statements and modern Ecumenical discussions—Different views of the Ministry—the significance of the Sacraments of the Church. (*Given in 1961-62.*)

PHILOSOPHY OF RELIGION

Associate Professor J. McLELLAND
Assistant Professor D. D. EVANS

PHILOSOPHY OF RELIGION 1A—INTRODUCTION TO THE PHILOSOPHY OF RELIGION

A study of religious faith in relation to scientific philosophy and existentialist theology; miracles and revelation; the problem of evil; morals and religion.

PHILOSOPHY OF RELIGION 2B—BASIC ISSUES IN THE PHILOSOPHY OF RELIGION

The ideas of creation and the soul, in science, philosophy and religion.

PHILOSOPHY OF RELIGION 3A—PHILOSOPHICAL THEOLOGY

Human thought and speech about God: the Logos concept, the divine names, ascetical theology and analogy; with special reference to the Alexandrian Fathers, and the contemporary significance of Karl Barth and Paul Tillich.

COMPARATIVE RELIGION

Professor W. C. SMITH
Lecturer C. J. ADAMS

COMPARATIVE RELIGION 2A—CHRISTIAN FAITH IN A RELIGIOUSLY PLURAL WORLD

A brief introduction to salient features of the form of men's faith in the Hindu, Buddhist, and Muslim traditions. The Significance for the Christian Church.

COMPARATIVE RELIGION 3B (OPTIONAL)—CHRISTIAN ATTITUDES TO OTHER FORMS OF RELIGIOUS FAITH

An historical survey and analysis of Christian and other Western conceptions of the meaning of religion, with special reference to the concept 'the religions'. The trend towards reification. A consideration of recent concepts, and a criticism of their presuppositions. The Christian moral imperative with regard to other communities; and the search for an adequate theological position.

Honours courses will be offered in Comparative Religion proper, philosophic and systematic. Further, instruction can be arranged in the basic languages of Islam (Arabic, Persian, Urdu) and, at an elementary level, of Hinduism (Hindi and Sanskrit, the latter in the Faculty of Graduate Studies, Department of Classics).

CHRISTIAN ETHICS AND PASTORAL PSYCHOLOGY

Assistant Professor J. A. BOORMAN

CHRISTIAN ETHICS 2B—AN INTRODUCTORY STUDY

The sources, nature and relevance of the Christian Ethic. The application of Christian Ethics to such aspects of personal and social life as marriage, vocation, civil rights and responsible citizenship, economic and political problems, international relations.

CHRISTIAN ETHICS 3B (OPTIONAL)—CHRISTIAN SOCIAL ETHICS

The role of the Church in society today; a study of Christian influence in community, state and world affairs. The relevance of Christian Ethics to modern culture—art, science, business, education and recreation.

PASTORAL PSYCHOLOGY 2A—INTRODUCTION TO PASTORAL PSYCHOLOGY

Psychological studies as an aid to the minister: the psychology of personality; evangelism and conversion. Principles and methods of pastoral counselling.

PASTORAL PSYCHOLOGY 3B (OPTIONAL)—SPECIAL PROBLEMS IN PASTORAL COUNSELLING

The minister's role in the care of the physically and mentally sick. Counselling in the home and family; counselling in relation to the alcoholic, the delinquent, the convict, the aged and other forms of particular need. Pastoral counselling and auricular confession.

REGULATIONS FOR THE SUBMISSION OF THE B.D. THESIS

(1) The presentation of an acceptable thesis is a requirement for the award of the degree.

(2) Preparation of the thesis is to be regarded as an integral part of the course of studies required for the degree, whereby the candidate is given an opportunity to devote himself with personal originality and initiative to the study of some particular subject and thus to attest his worth and capacity as a responsible scholar. The thesis must be the candidate's own original work, and should display a real grasp of the selected subject, with an ability to organize the necessary material and to present it in an effective manner.

(3) The thesis shall deal with some special aspect of theological study, and its subject should be chosen in consultation with the professor who is responsible for the department of study within which the proposed subject falls. When the subject is related to two departments, both professors should be consulted. Thereafter the subject must be approved by the Faculty.

Normally the subject of the thesis should be chosen during the Second year of the course. Thereafter, the candidate should confer from time to time as directed on the progress of the work with the professor or professors concerned, but it should be understood that the thesis cannot be approved as acceptable either in its parts or as a whole until the complete thesis is finally presented to the Faculty.

(4) Normally, a thesis presented for the general degree should contain from 10,000 to 15,000 words. A thesis for the degree with Honours should be of a more substantial character in matter and length, and should contain from 15,000 to 20,000 words. A memorandum relating to the literary form and style of the thesis may be obtained from the Dean's Office.

(5) The thesis must be written during the candidate's final year of attendance, and must be submitted not later than March 31st, of the year in which the final examinations are written.

If the thesis is rejected as unsatisfactory, the candidate may apply before June 30th of the same year for permission to re-submit it and, if such permission is granted by the Faculty, a date for re-submission will be prescribed.

GRADUATE STUDIES

The Faculty of Graduate Studies and Research directs and controls all courses leading to higher degrees and recommends candidates for these degrees. This arrangement includes graduate studies and research in Divinity. The Faculty offers courses leading to the degrees of Master of Theology (S.T.M.) and Doctor of Philosophy (Ph.D.).

REGULATIONS FOR THE S. T. M.

(1) The purpose of the S.T.M. course is to provide a richer intellectual background for the work of the Ministry in all its forms. It seeks to carry further and at a more scholarly level the education gained in the study for the B.D. degree.

(2) The Faculty of Divinity acts as a committee of the Faculty of Graduate Studies in recommending to that Faculty the admission of a student to the course leading to the S.T.M. degree and in recommending that, when his work in his seminar courses has been satisfactory, and when the examiners are satisfied with his thesis, he be awarded the S.T.M. degree. Students must register with the Faculty of Graduate Studies, information concerning which may be obtained from the Dean of Graduate Studies. Nothing in these regulations should be held to contravene the general regulations of the Faculty of Graduate Studies. Students may first consult with the Dean of Divinity.

(3) Candidates shall normally possess the B.D. degree of a Canadian or American University or accredited college, or the theological degree of a British university or such other theological degree as may be deemed equivalent by the Faculty of Divinity. If his theological degree did not include the writing of a thesis, the candidate may be required either to write a qualifying thesis at the B.D. level or to produce other evidence of ability to write such a thesis.

(4) Each candidate for the S.T.M. degree shall attend three seminars and obtain not less than second-class standing in each, and shall also write a thesis to the satisfaction of one internal examiner and one external examiner, appointed by the Faculty of Graduate Studies. The subject of the thesis must be approved by the Faculty of Graduate Studies on the recommendation of the Faculty of Divinity.

(5) The required seminars shall each last for one academic session and the student's choice shall be guided by the Dean of Divinity in consultation with his colleagues. The seminars will not necessarily be closely related to the subject of a student's thesis. (Not all departments in the Faculty of Divinity offer a seminar in any particular session.)

(6) The thesis shall be the result of work on original sources, as far as these are available, and shall embody the student's appraisal of the relevant material and the conclusions he draws from it. The subject need not be one hitherto unworked, but the treatment must be fresh and the basic research the student's own. Great stress is laid at this level on acquaintance with primary sources, the orderly presentation of material, the cogency and clarity of its exposition, proper documentation, and the ability to conduct research in a scholarly manner. Each candidate for the S.T.M. will be assigned to a director for guidance in the preparation of his thesis. When a thesis has been judged unsatisfactory, it may, by permission of the Faculty of Graduate Studies, be revised and re-submitted, but not more than once.

(7) A student whose thesis relates to the New Testament will be expected to work with the Greek Text and one whose thesis relates to the Old Testament the Hebrew Text. In either case, the student may be allowed to substitute two sessional courses of Hebrew studies for one seminar.

(8) A student may take three seminars in one academic session and submit his thesis at the end of that session, only if he is a full-time student. A part-time student may not take more than two seminars in any one session. He may if he so elects take one seminar in each of three sessions and present his thesis during a further session, but the whole must be completed in five years, unless permission is granted for an extension of time on the recommendation of the Faculty of Divinity.

REGULATIONS FOR THE Ph.D. (Divinity)

(1) The purpose of the Ph.D. course is to engage the student in academic studies at the highest level and to enable him to prepare himself for an academic career. Students not wishing to embark on such a career may take the course but it should be realized that this major aim conditions the course and the level of academic attainment required.

(2) The Faculty of Divinity acts as a Committee of the Faculty of Graduate Studies in recommending to the latter faculty the acceptance of students as prospective candidates for the degree of Ph.D. and in notifying the Dean of Graduate Studies of their progress in the various stages of the course. Nothing in these regulations should be held to contravene the general regulations of the Faculty of Graduate Studies, which may be obtained from the Dean of Graduate Studies. Students wishing to enter the course for the Ph.D. may first consult with the Dean of Divinity.

(3) The course normally requires three academic sessions of full time study, of which the year spent in S.T.M. studies may count as one. For permission to spend one session of study at another University, the student must consult with the Dean of Divinity. It is assumed that he will have a knowledge of Latin, Greek and Hebrew. He must also pass the Faculty of Graduate Studies' reading examination in French and German. Another European language may sometimes be substituted for French or German. *Candidates are urged to meet these language requirements before entering upon the Ph.D. course.* They may not proceed to their final year until they have done so.

(4) Each student is accepted on probation for his Second year of Ph.D. studies only after gaining his S.T.M. degree or its equivalent, with at least the standing of *cum laude*, and having obtained at least a good second class standing in his three S.T.M. seminars. During this year he may, if a full-time student, take three further seminars, so as to complete a total of six seminars. Not more than three of these six may be taken in any one department, and one seminar will be directed at ensuring that the student has the skills and background requisite for a teacher in his field of specialization. This Second year's work must be taken over a longer period if the student is registered as part-time.

(5) At the end of his Second year, the student must pass the Preliminary Examination, both written and oral, and must obtain at least a good second-class standing in the three seminars of that year, before he can be passed as an accepted candidate for the degree into his final and Third year.

(6) During his Third year (which again for the part-time student must be extended over a longer period) the student must prepare a thesis in the field of his specialized interest. The student is, however, advised to decide the field at the beginning of his Second year, in order that he may be assigned to a director who shall guide his research. The thesis must be submitted within three years after the termination of the Second year of Ph.D. studies unless the student receives special permission for an extension of this period.

GRADUATE SEMINARS

67. THE EMERGENCE OF DOCTRINE IN THE APOSTOLIC FATHERS *Professor Jay*
77. THE NEW TESTAMENT DOCTRINE OF THE HOLY SPIRIT *Professor Johnston*
78. THE PASTORAL EPISTLES *Professor Johnston*
84. THE QUMRAN COMMUNITY *Professor Frost*
86. SOCIAL ETHICS AND CONTEMPORARY THOUGHT *Professors McLelland and Boorman*
87. KEY PROBLEMS IN PHILOSOPHY OF RELIGION *Professors McLelland and Evans*
90. INTRODUCTION TO CANADIAN CHURCH HISTORY *Professor Walsh*
91. PROBLEMS OF CHURCH AND STATE *Professor Walsh*
93. THE SOCIAL TEACHING OF THE CHRISTIAN CHURCHES SINCE 1900 *Professor Walsh*
94. SELECTED PSALMS (*Hebrew and Greek Texts and Exegesis*) *Professor Frost*
95. THE HISTORY OF THE HOUSE OF ZADOK *Professor Frost*
96. SYNCRETISM IN THE OLD TESTAMENT *Professor Frost*
101. THE CONCEPT OF FAITH IN ISLAM *Professor Smith*
103. SEMINAR IN COMPARATIVE RELIGION *Professor Smith, Dr. Adams*
105. CHRISTIANITY AND OTHER RELIGIONS *Professor Smith*
106. CHRISTIANITY AND ISLAM *Professor Smith*
107. DEVELOPMENT OF THE HINDU RELIGIOUS TRADITION *Dr. Adams*

FELLOWSHIPS, SCHOLARSHIPS, AND AWARDS

1. AWARDED BY THE FACULTY OF DIVINITY

W. M. Birks Awards

Entrance Award—$250, to be given to the best qualified student entering the First year of the B.D. course. Applications must be made by 1st June to the Dean of the Faculty of Divinity. In the absence of a candidate of sufficient merit, the award will not be made.

Two Awards, each of $100, to be given to the most outstanding students at the end of the First and Second years of the B.D. course respectively. They will be tenable during the Second and Third years of attendance.

N.B. In addition to the above grants, students of participating Churches receive free tuition.

Samuel Finley Memorial Bursary—$100 is available to a student enrolled in the Faculty of Graduate Studies and Research who is pursuing advanced studies in Divinity. Application should be made to the Dean of the Faculty of Divinity on or before 1st June.

2. AWARDED BY A THEOLOGICAL COLLEGE

Particulars concerning Bursaries, Scholarships, and Prizes open to students registered in the participating theological colleges are set out in the calendars of these institutions, which may be had on application to the respective Principals (see below).

3. AWARDED BY THE UNIVERSITY

See the University Announcement "Scholarships, Bursaries and Loan Funds". A memorandum relating to those available to students in Theology both in the Faculty of Divinity and in the Faculty of Graduate Studies may be obtained from the office of the Dean of Divinity.

THE PARTICIPATING THEOLOGICAL COLLEGES

ADDITIONAL COURSES FOR ORDINANDS

The Montreal Diocesan Theological College of the Anglican Church of Canada and the United Theological College of the United Church of Canada are associated with the Faculty of Divinity and contribute to its support. The professors of the Faculty of Divinity who are members of one or other of these Communions may be also members of the faculty in one of the theological colleges. Students in the Faculty of Divinity who are candidates for ordination in the Anglican Church or in the United Church of Canada must be registered also in their respective colleges, where they will receive such practical and other training as is required of candidates for ordination, but which is not part of the course for the B.D. degree.

The Montreal Diocesan Theological College and residence is situated at 3473 University St.; the Principal is the Rev. E. G. Jay, B.D., M.Th., Ph.D.

The United Theological College and residence is situated at 3508 University St.; the Principal is the Rev. G. Jonhston, M.A., B.D., Ph.D.

McGill University

Montreal

Faculty of Graduate Studies and Research

1961-1962

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Institute of Education
Library School
School of Physical Education
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, and School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (available for distribution only to libraries and officials of certain institutions.)

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Faculty of Graduate Studies and Research

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D. D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

David L. Thomson, Ph.D., D.Sc., LL.D., F.R.S.C. — *Vice-Principal of the University and Dean of the Faculty of Graduate Studies and Research*

C. W. Stearn, M.S., Ph.D. — *Assistant Dean and Acting Secretary*

J. H. Holton, B.Com. — *Secretary of the Board of Governors*

G. A. Grimson, B.Com. — *Comptroller*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

A complete list of the teaching staff of the University, including the Faculty of Graduate Studies and Research, is printed as a separate announcement, which may be obtained from the Registrar's Office.

COMMITTEE ON RESEARCH

Dean D. L. Thomson, *Chairman*

Professor C. C. Bayley
Professor N. J. Berrill
Professor A. C. Blackwood
Professor G. L. d'Ombrain
Professor T. Lloyd
Professor J. R. Mallory
Professor J. S. Marshall
Professor H. I. Schiff

MEMBERS OF THE FACULTY (1961-1962)

PROFESSOR D. L. THOMSON (Biochemistry)—*Dean*
PROFESSOR D. E. ARMSTRONG (Economics)
PROFESSOR G. G. BACH (Mathematics)
PROFESSOR C. C. BAYLEY (History)
PROFESSOR E. F. BEACH (Economics)
PROFESSOR R. E. BELL (Physics)
PROFESSOR N. J. BERRILL (Zoology)
PROFESSOR J. B. BIRD (Geography)
PROFESSOR A. C. BLACKWOOD (Agricultural Bacteriology)
PROFESSOR J. W. BOYES (Genetics)
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PROFESSOR B. D. BURNS (Physiology)
PROFESSOR D. G. CAMERON (Medicine)
PROFESSOR T. W. M. CAMERON (Parasitology)
PROFESSOR R. V. CHRISTIE (Medicine)
PROFESSOR T. H. CLARK (Geology)
PROFESSOR R. A. CLEGHORN (Psychiatry)
PROFESSOR M. COHEN (Law)
PROFESSOR R. H. COMMON (Agricultural Chemistry)
PROFESSOR E. M. COUNSELL (Classics)
PROFESSOR CARLETON CRAIG (Civil Engineering)
PROFESSOR E. W. CRAMPTON (Nutrition)
PROFESSOR O. F. DENSTEDT (Biochemistry)
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PROFESSOR G. L. D'OMBRAIN (Electrical Engineering)
PROFESSOR M. J. DUNBAR (Zoology)
PROFESSOR K. A. C. ELLIOTT (Biochemistry)
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PROFESSOR H. G. FILES (English)
PROFESSOR CHARLES FOX (Mathematics)
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PROFESSOR R. D. GIBBS (Botany)
PROFESSOR J. E. GILL (Geology)
PROFESSOR F. K. HARE (Geography and Meteorology)
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PROFESSOR JOYCE HEMLOW (English)
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PROFESSOR GERTRUDE KALZ (Bacteriolgy)
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MR. RICHARD PENNINGTON (University Librarian)
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PROFESSOR G. H. N. TOWERS (Botany)
MRS. ALICE TURNHAM (University Museums)
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PROFESSOR D. M. WRIGHT (Economics)
PROFESSOR LEO YAFFE (Chemistry)
PROFESSOR H. H. YATES (Metallurgy)

GENERAL STATEMENT

1. The Faculty of Graduate Studies and Research directs and controls courses leading to higher degrees and recommends candidates for these degrees and for certain diplomas. All correspondence, telephone calls, etc., should be directed to McGill University.

2. The members of the Faculty are appointed annually by the University Committee on Research (see page 2607) from among those members of the staff who are most active in research or in the training of graduate students. Under the University Statutes this Committee is responsible, jointly with the Graduate Faculty, for organizing and coordinating programmes and courses of research. The Dean of the Faculty is Chairman of the Committee.

ADMISSION

3. Advanced courses of instruction are offered to students who are graduates of any university of recognized standing, and who have at least second class honours, or the equivalent of at least second class honours as granted by McGill University, in the subject in which they desire to take their major work. This implies a standing in the upper half of the undergraduate class, at least, and a considerable amount of specialization, for example 36 semester hours of lectures in the subject selected. Admission to these advanced courses does not in itself imply candidacy for a higher degree or diploma. Every student admitted to the Faculty is, however, attached to one or other of the Departments thereof, which is primarily responsible for guiding his studies.

4. The attention of applicants for admission to the Faculty is directed to the Graduate Record Examination (Educational Testing Service, 20 Nassau Street, Princeton, N.J.). This examination consists of a relatively advanced test in the candidate's specialty, and a general test of his attainments in the several basic fields of knowledge, for which no special preparation is required or recommended. It is offered at many centres, including Montreal, several times a year; the entire examination occupies some eight hours, and the total fee does not exceed $12.00. Applicants for admission to the Faculty are not required to take this examination, but those who have done so should submit their records therein; these will receive consideration along with other evidence of the candidate's admissibility. This credential is of especial importance in the case of applicants whose education has been interrupted, or has not led directly towards graduate study in the subject selected. In such cases the Department has the right to refuse to consider applications which do not include a report from the Graduate Record Examination or some

similar test; some Departments may require such reports of all applicants. High standing in this examination will not by itself guarantee admission. The Miller Analogies Test may be used similarly, and is required of applicants for admission in Psychology; enquiries should be directed to the Department of Psychology in the applicant's own university or college.

CLASSES OF STUDENTS

5. (a) Those admitted to the Faculty as regular students studying for a higher degree or diploma are termed "graduate students."

(b) Those students whose academic degrees and standing entitle them to admission to the Graduate Faculty, but who are not sufficiently prepared to undertake graduate study in the subject selected, may with the permission of the Dean and the Department concerned be permitted to take a "qualifying year" of further undergraduate studies. Qualifying students are registered in the Graduate Faculty, but not as candidates for a degree. For registration procedure, see Section 6 (b) and (c); for fees, see Section 10 (a). Completion of the work of the qualifying year does not automatically entitle the student to proceed towards a higher degree. Students who are ineligible for a qualifying year may apply to the appropriate undergraduate Faculty for admission as regular or partial students, and seek admission to the Graduate Faculty at a later date.

(c) Those qualified students who are permitted to take one or more courses in the Graduate Faculty, without intention of proceeding to a degree or diploma awarded by this Faculty, are termed "partial students of the Graduate Faculty". In the same category are included students carrying on research in McGill laboratories, without intention of proceeding to a degree. For fees see Section 20. If graduate partial students subsequently become candidates for higher degrees, they will normally receive academic credit and sometimes deduction of fees for relevant graduate courses taken as partial students. Students who wish to take further undergraduate courses only should register as "partial students" in the undergraduate Faculty concerned, even if they already hold degrees.

(d) "Resident Students" are those who in any given session are attending classes or making use of the university's libraries or laboratories or other facilities, either on a full-time or (see Section 31a) half-time basis; for "Non-resident Students" see Sections 6(e), 10(d), 12, 13 and 44(c).

(e) Regular graduate students taking evening courses required for their degrees *must* register also with the Extension Department, though one fee covers both.

APPLICATION AND REGISTRATION

6. (a) Applications for admission should be made in triplicate on special printed forms which may be obtained at the Dean's office. Applicants

who are not McGill graduates must submit two certified copies of their complete academic record, and are required to ask two instructors familiar with their work to send letters of recommendation to the Dean. It is desirable to submit a list of the titles of courses taken in the major subject, since transcripts often give code numbers only. The applicant should also indicate the branch of the major subject in which further training is desired. A passport-type photograph should also be supplied, either with the application or after it has been accepted. The application forms, duly signed, should reach the Dean's office as early as possible and in no case later than September 8th, 1961, after which date a late fee of $5.00 will be charged. If the application is approved by the Dean and the Department concerned, one copy of the form will be returned to the applicant.

The course leading to the M.A. in Education (see page 2671) normally begins with a Summer School, so that there are different dates for application and registration in this case. Last day for submission of applications in 1961 is June 15th. The school commences on July 3rd, which is also the last day for the submission of sessional registration forms.

(b) Approved candidates must consult the Department or Departments in which they intend to study, with regard to choice of courses and subject of investigation. Formal application for permission to attend the courses selected, and for approval of the subject of investigation, must then be made in triplicate on special Registration Forms obtainable from the Dean's office. Language examinations (Section 52) should be entered on these forms, if required. These forms require the signature of the candidate, of the Chairman or Chairmen of the Departments concerned, and of the Professor appointed to act as director of the candidate's research, and are normally completed in consultation with the Department; students are warned that it may take a day or two to arrange and complete such consultations. The completed forms should be filed in the Dean's office as early as possible, and at the latest by September 21st; after this date a late fee will be charged. Candidates should in any case be prepared to attend the regular courses of instruction, which begin on September 25th.

(c) The registration forms will be scrutinized by the Dean and the Committee on Research, and if approval is given one copy will be returned to the candidate, who must then present it without delay at the Registrar's office. The student will meanwhile attend lectures, etc., on the assumption that his registration will be approved; but will not be given credit for attendance until he has completed registration at the Registrar's office. Candidates must register in this way, and pay their fees not later than October 18th; otherwise the prescribed penalty for late registration and late payment of fees will be enforced.

(d) Candidates whose studies extend over more than one year must register at the Dean's office and at the Registrar's office, as above, at the commencement of each year of their course; if they have not so registered at the beginning of the academic year, they are not eligible to receive their degrees at the following Convocations. This applies also to non-resident candidates working at another institution (see Section 44).

(e) Candidates who have completed their courses and their residence requirement but have not yet completed their theses must register with the offices of both the Dean and the Registrar at the beginning of each session, and pay a fee of $25, if resident, or a registration fee of $10, if non-resident.

Candidates who, through failure to register as above, have severed their connection with the Faculty can be reinstated only (1) if the Department concerned so recommends, in writing, suggesting the imposition of such conditions as seem desirable: and (2) after paying a fee of $10 for each session of non-registration but not to exceed a total of $50, such re-admission fees not to include the fee for the session for which re-admission may be granted.

By annual registration, as above, candidates may maintain their connection with the Faculty for five (5) years after completing their course and residence requirements; thereafter, they may re-register only if the Department concerned so recommends, in writing, suggesting the imposition of such conditions as may seem desirable. The object of this regulation is to encourage candidates to complete their thesis and qualify for the degree without undue delay.

(f) In some Departments it is in special cases possible to admit selected candidates at unusual times, for example at the beginning of the second term (January 8th) or at the beginning of the summer.

(g) Regulations concerning application and registration for the diplomas awarded by this Faculty will be found under Electrical Engineering (page 2674), Mechanical Engineering (page 2736), and Education (page 2673).

DEGREES AND DIPLOMAS

7. Graduate students may proceed to one or other of the following degrees: Master of Library Science (M.L.S.), Master of Architecture (M.Arch.), Master of Science (M.Sc.), Master of Science (Applied), [M.Sc. (Appl.)], Master of Engineering (M.Eng.), Master of Arts (M.A.), Master of Sacred Theology (S.T.M.), Master of Civil Law (M.C.L.), Master of Laws (LL.M.), Doctor of Philosophy (Ph.D.), or to a Diploma in Electrical or Mechanical Engineering or Graduate Study in Education.

COURSES AT MACDONALD COLLEGE

8. (a) Graduate students who are taking the major part of their work at Macdonald College may go into residence there and may take, when required, other graduate courses given at the University.

(b) Students wishing to reside in Macdonald College should send in their application for accommodation to the Registrar, Macdonald College, Que., as soon as possible.

(c) Any fees in connection with courses taken at Macdonald College are payable to the Secretary of Macdonald College.

FELLOWSHIPS, SCHOLARSHIPS, AND MEDALS

9. (a) Details of Fellowships, Scholarships, Bursaries, Medals, and Loan Funds available for graduate students will be found in the Announcement of Scholarships, Bursaries, Prizes, and Medals, obtainable from the Registrar.

Fellowships open to graduate students entering from other institutions fall into three groups. Some are awarded by institutions or bodies other than McGill, which have their own regulations and their own application forms, obtainable from them. Secondly, there are those for which application should be made to the Dean of the Graduate Faculty; application forms should be obtained from his office; for all of these applications should be completed by February 1st. Thirdly, there are those for which application should be made to some other designated professor or official at McGill; in most of these cases no form is required and a brief letter of application is sufficient.

In all cases the application for a fellowship should be made on forms obtainable from the Dean's office and preceded or accompanied by an application for admission to this Faculty (unless the candidate is already a student therein), accompanied by the usual supporting documents such as transcripts and letters of recommendation. The awarding committees will base their nominations upon these documents, and will usually report about April 1st. As far as possible each applicant will be considered for every award for which he is eligible. It is perfectly in order for a student to apply for admission to the Faculty with the proviso that admission cannot be accepted unless financial aid can also be made available. The sum which the applicant would absolutely require should be stated.

The following Graduate Fellowships and Scholarships are offered at McGill University to graduates of other approved institutions:

The University Fellowships, normally of $1,200 plus fees, and University Graduate Scholarships of lesser value.

The Arthur C. Tagge Fellowship of $1,200 plus fees in the Humanities and Social Sciences.

The Bronfman Fellowships of $1,700 in Economics and Commerce.

The Alexander Mackenzie Fellowship of $1,200 plus fees in Political Science.

The Sir Vincent Meredith Fellowship of $2,500 in Agricultural Economics.

The Dow-Hickson Fellowships (minimum value $1,750) in Philosophy and in Physics.

The Union Carbide Fellowships of $2,000 in the Physical Sciences. Open to men only.

The Philip Carpenter Fellowship in Zoology.

The John T. Williamson Fellowship of $1,200 plus fees in Geology.

The Leroy Memorial Fellowship of $700 in Geology.

The Alexander McFee Fellowship of $1,750 in Medical Sciences (1961) and Physics (1962).

The Harold H. Helm Fellowships for McGill graduates at Princeton University Graduate School or Princeton graduates at McGill University, of the value of $1,400 to $1,800 plus fees.

The Cominco Fellowship of $1,000 for research on metals, chemicals, or fertilizers.

The Shell Oil Fellowship of $1,200 plus a grant for summer study, in Chemistry, Mechanical Engineering, Geology, or Physics.

The Aluminum Laboratories Fellowship of $1,600 plus fees, in Physical Metallurgy and related subjects.

The T. Sterry Hunt Scholarship of $600, in Chemistry and Chemical Engineering, for holders of a Master's or other higher degree.

The C.I.L. Fellowships of $2,000 in Chemistry (Canadian citizens given preference).

The Gottesman ($1,500), American Viscose Corporation ($2,500), and Spruce Falls ($1,800) Fellowships tenable in Pulp and Paper Research.

The Harold Hibbert Memorial Fellowship of approximately $4,000 for postdoctoral research work in Chemistry.

The James Douglas Fellowship in Pathology.

The J. B. Collip Fellowships in Medical Sciences.

The H. W. Molson Fellowship of not less than $1,000 for Cancer Research.

The John McCrae Fellowship of $1,000 in Experimental Surgery.

Fellowships in Neurology and Neurosurgery.

DEMONSTRATORS AND ASSISTANTSHIPS

Most of the departments which offer laboratory courses require the services of some graduate students as Demonstrators. These may be employed up to 12 hours weekly during the session without losing status as full-time graduate students, and the salary is in the neighbourhood of $1,200, though shorter hours and smaller salaries are preferred in some Departments. Some of these Departments are also able to pay graduate students as Research Assistants from special research funds, and in most though not all cases the research in question can be used by the student for his thesis. Some of the Departments in the Humanities and Social Sciences are able to employ a few graduate students for a few hours weekly at a sessional salary in the neighbourhood of $200.00. In all cases the appointment is recommended by the Chairman of the Department concerned, again on the basis of the documents supplied along with the applications for admission, which may therefore be accompanied by a letter requesting consideration for such an appointment.

It is not the policy of the University to waive tuition or other fees for Demonstrators, Assistants, or Fellows, though in some cases a Fellowship may consist of a basic stipend plus the amount of the fees, while certain Graduate Scholarships cover the cost of fees only. Generally speaking, Demonstratorships and Fellowships just provide subsistence (plus fees) throughout the academic session, while Research Assistantships may run throughout the calendar year (though some are available in the summer months only); in no case are the funds adequate to defray any significant part of the cost of coming from or returning to a distant country.

FEES

The University reserves the right to change any fee without notice.

10. (a) The inclusive fee for a *full time session of resident study* (e.g. a Qualifying Year, the required year for the Master's degree, of the two required years for the M.Sc. (Applied) in Mineral Exploration, or each of the three required years for the Ph.D.) is $425.00. Full-time Assistant and Associate Professors and Lecturers are eligible to apply for a rebate on these fees.

(b) The inclusive fee for a *half-session of full-time study* or for a *session of half-time study* (see Section 31) is $250.00.

(c) The fee for an *additional session of resident study*, beyond the required year for the Master's degree or the three required years for the Ph.D., for students in good standing whether full-time or half-time, is $25.00.

(d) The registration fee for a *session not spent in residence* (see Sections 5d, 6e, 13, and 44) is $10.00.

(e) The additional fee for a degree conferred *in absentia* is $10.00.

11. The above fees for resident students are inclusive, and cover tuition, graduation, the use of laboratories and libraries, the health service and athletic privileges, and membership in the Postgraduate Students' Society. There is no additional charge for the use of such university facilities as may be available in the summer following the academic session. Additional fees are however charged as set forth below, for special and supplemental examinations, for the re-examination of revised theses, for the repetition of uncompleted courses, and for late registration, etc. Any student taking a lecture course or doing laboratory work, or receiving regular guidance or consultation from any member of the staff, is considered to be in residence. He must register and pay fees as above. For payment by instalments, see Section 21.

12. A Ph.D. candidate permitted to spend either the Second or the Third year of his course at an approved institution elsewhere (see Section 44c) must register at the Dean's office and with the Registrar at McGill as a non-resident student, and pay a fee of $10.00.

13. (a) A student who has completed his courses and his residence but has not completed his thesis must register at the Dean's office and with the Registrar, and pay a registration fee of $10, at the beginning of each session until his thesis has been accepted (see Section 6e). Such a student is not considered to be in residence, and the $10 fee does not give the student access to the libraries or laboratories, nor health and athletic privileges, nor membership in the Postgraduate Students' Society.

(b) Registration is also required when a student has completed all requirements except for one or more examinations. The fee in this case will be $10.00 (non-resident) or $25.00 (resident), in addition to any fees due for special examinations (Section 16, 17).

14. A candidate whose thesis is judged unsatisfactory by the examiners may be permitted by the Faculty to present a revised thesis once again, for a subsequent Convocation, upon payment of the following fees:

Master's degree	$20.00
Ph.D. degree	35.00

15. A registration fee of $10.00 (see Section 13) is also payable if a new session of non-resident study is entered; if the student remains in residence for an additional session, the fee of $25 (see Section 10c) will be charged instead of the registration fee, and in addition to the re-examination fee.

16. Fees for supplemental examinations, granted under special circumstances by permission of the Dean on the recommendation of the Department, are payable in advance at $10.00 per paper. A student who has failed in any required course and does not receive permission to attempt a supplemental examination must retire from the Faculty. Only under exceptional circumstances may permission be granted by the Dean, on the recommendation of the Department, for the student to repeat any such course. In such a case the student may be required to pay the fee charged to partial students for the course in question (see Section 20) in addition to fees applicable under Sections 10 and 15, but does not pay for supplemental examinations.

17. There is no fee for the language examinations for Ph.D. students (see Section 52) when these are first taken. A fee of $5.00 is however charged when these examinations are retaken after a previous failure.

18. French Summer School students who are proceeding to the M.A. degree are liable for the regular fee of $425 for the M.A. course but are remitted $103.75 of this for each Summer Session they have attended in the advanced course. At the end of the second Summer Session they are required to apply for and obtain admission to the Faculty of Graduate Studies (see Section 6a), but they do not register therein (Sections 6b, c, d) until the end of the fourth Summer Session; at that time they must register on sessional forms at the Dean's office, as "non-resident students", and pay the balance still owing of the M.A. fee. If the presentation of the thesis is postponed beyond the September one year after this registration, they will pay an additional registration fee of $10.00 at the beginning of each session until the thesis has been accepted. Students who have completed four Summer Sessions in French (or the equivalent) are excused the *in absentia* fee (see Section 10e) when they obtain an M.A. degree.

19. Students permitted to work for the High School Diploma and for the M.A. concurrently, spreading the work for the M.A. over two years, pay the fee for the Diploma course in the first and the normal fee of $425.00 for the M.A. degree in the second of these years.

20. The normal fee for "partial students of the Graduate Faculty" as defined in Section 5b is $115.00 per full course; special fees may be required for certain laboratory courses. A partial student carrying on

research in McGill laboratories, but not taking courses, will normally pay $115.00 per session. Partial students taking three or more full courses must also pay the Health Service fee of $7.00.

21. Fees are due and payable at the Accounting Office on or before October 18th. If paid by instalments the second instalment is due on January 15th. An additional $5.00 is charged for payment by instalments. An additional $2.00 is charged for payment after the specified dates.

22. Immediately after October 18th a list of students who have not paid their fees is sent to the Dean of the Faculty, who removes their names from the register of attendance. Such students cannot be re-admitted to any class until instructions have been received from the Chief Accountant that the fees have been paid.

23. Late fees are charged as follows:

Application forms, after September 8th	$5.00
Registration at Dean's Office, after September 21st	5.00
Registration at Registrar's Office, after October 18th	5.00
Payment of fees, after October 18th	2.00

24. All resident graduate students, except partials, are entitled to the same health and athletic privileges as undergraduates, without additional fee:

(a) Medical examination (compulsory); daily consultation service and hospital treatment.

(b) Access to the gymnasium, swimming pool, and tennis courts (additional fee for summer vacation).

(c) Opportunities for exercise with various athletic clubs and eligibility for intercollegiate and other teams.

(d) Admission (by identity card) to the students' section at all intercollegiate games played at McGill.

(e) At Macdonald College slightly different rules apply, see also regulation 25.

25. At Macdonald College, graduate students are entitled to medical attendance, major operations excepted, on the same basis as other students. Graduate students at Macdonald College are entitled to participate in the activities of the various organizations under the Students' Council and to have one representative on the Students' Council. Graduate students at Macdonald College are required to pay an additional Students' Activities fee of $10.00.

26. All resident students of the Faculty of Graduate Studies and Research are members of the Postgraduate Students' Society.

27. All fees are payable in Canadian currency.

28. A $25.00 registration and graduation fee is charged upon the completion of the course requirements for students receiving the diplomas in Electrical and Mechanical Engineering.

RESEARCH ASSOCIATES

29. This title is intended to provide recognition and status on the University records for investigators who are neither candidates for a degree nor members of the regular teaching staff of McGill University, but are attached temporarily to a department on the ground that their assistance is required in the interests of a current programme of research.

A Research Associate will normally hold the Ph.D. degree or an equivalent qualification.

30. Any money grant which a Research Associate may receive must be either from McGill University or from some other institution promoting the advancement of learning, and must be paid solely for the furtherance of the research that he is pursuing and not for instruction or demonstration. A Research Associate may, however, with the permission of the Faculty, act as a director of research for graduate students associated with him.

GENERAL RULES CONCERNING HIGHER DEGREES

31. (a) A graduate student is expected to devote his full time to his courses, reading, and research in each session counted towards completion of residence requirements. Members of the teaching staff of the University who are also students in the Graduate Faculty and who give more than three hours of lecturing or six hours of conference work or twelve hours of supervisory work in laboratories and allied services per week, and other students doing an equivalent amount of additional work inside or outside the University, may not obtain the Master's degree in one year, and will require at least four years for the Ph.D. At least one of the years required for either degree must be spread over two sessions, in each of which such students will be registered as *half-time* workers and will pay a fee of $250.00.

(b) No full-time student registered in any professional Faculty of the University may register for a graduate degree or for a qualifying year without the special permission of both Faculties.

(c) A degree is granted in the Faculty of Graduate Studies essentially for work in one subject, known as the student's *major subject*. Certain allied or "cognate" courses in other subjects may be permitted or required; these must be entered on the sessional registration form, which must show whether the courses are to be taken for credit, including examination, or merely attended, and which must be signed by the Chairmen of the Departments concerned.

(d) There is no fixed number of course credits required for these degrees. The Department concerned will rather examine the applicant's previous training, undergraduate and graduate, and then decide how many of the available courses in the major subject and related fields are still required to bring the candidate to the proper level for the Master's degree or Ph. D. The satisfactory completion of such essential courses and the presentation of an acceptable thesis are two separate requirements which must be separately met. Due account will be taken of all relevant courses passed at any recognized University or College

(e) A candidate with a given higher degree may be permitted to proceed to a second degree of the same kind, but in another subject, provided that the usual requirements for the degree are entirely fulfilled and approved as usual by the Department concerned. In the computation of fees for such second degree, no account will be taken of the student's previous registration in the Graduate Faculty.

(f) Students should note that the above rules apply to the Faculty as a whole; a Department may have additional rules of its own.

CLASSIFICATION OF MARKS

32. 100-80%.....First Class

79-65%.....Second Class

Below 65%.....Failure

This classification applies also to students taking a Qualifying Year.

Students who obtain marks between 50 and 64% in courses not required for the degree sought may, on recommendation of the major Department, be recorded as having "passed at the undergraduate level."

Students who have failed in required examinations are permitted to write supplemental examinations only on the recommendation of the major Department and with the permission of the Dean (see Section 16.)

THE MASTER'S DEGREE

33. (a) **Normal Procedure for the Master's Degree.**

At least one full session or two half-sessions of resident study at McGill University is required for a Master's degree; this is a minimum requirement, and it will usually be found impossible to complete the work for the degree within this time; the M.Sc. (Applied), the M.A. in Islamic Studies, the M.Arch. in Community Planning, and the LL.M. cannot be completed within one academic session, and the M.A. in Education requires participation in two Summer Schools as well as in a part-time winter session. Residence credit is not given for work done during the summer vacation, either at McGill (save in the French Summer School and in Education) or elsewhere; the majority of graduate students find it necessary, however, to devote the greater part of their summers to work upon the thesis problem. The procedure to be followed in applying for admission and in completing registration is described above (Section 6). The candidate is required to pass the examinations in the courses which have been indicated to him by the Department and which are recorded on his approved registration form (except such courses as are marked "not for examination") and he may also be required to pass a general examination in his major subject; the marks or classes he obtains in these examinations are part of his qualifications for the degree. The candidate must also present a thesis on some topic connected with his major subject, except in the case of the Master of Science (Applied). The title of the thesis may be entered upon the registration form, and if not decided at that date must be subsequently submitted, in writing, to the Chairman of the Department concerned and to the Dean for formal approval at least four months before the thesis is handed in. The thesis must be in some measure a contribution to knowledge and must also be written in good literary style. *For further regulations regarding theses, see Section 59, 60, and 61.*

(b) Candidates who intend to proceed later to the Doctor's degree should note the language requirements (Section 52) and are strongly advised to take the examination in at least one language while working for the Master's degree.

34. A Government laboratory may be approved by the Faculty as a research institution (see Section 44c).

35. **The Degree of Master of Arts.**

(a) Instruction in the Faculty of Graduate Studies and Research leading to the degree of Master of Arts is provided in the following Departments of study, which rank as "subjects":

Classics
Comparative Religion
Economics and Political Science
Education
English Language and Literature
French Language and Literature
Geography
German
History
Islamic Studies
Mathematics
Philosophy
Psychology
Sociology and Anthropology

Studies in other subjects, including sciences and certain theological studies (see p. 2661), may be undertaken as cognate courses only, and only with the permission of the Departments concerned.

(b) Candidates must hold the degree of B.A. or an acceptable equivalent degree. They must have obtained at least a second class in an Honours course at McGill University, or its equivalent elsewhere, in the subject or subjects which they propose to study.

(c) The degree of Master of Social Work is administered by the Faculty of Arts and Science; enquiries should be addressed to the Director of the School of Social Work.

36. The Degree of Master of Science.

(a) Instruction in the Faculty of Graduate Studies and Research leading to the degree of Master of Science is provided in the following Departments of study:

Agricultural Bacteriology
Agricultural Chemistry
Agronomy
Anatomy
Animal Science
(Animal Breeding,
Animal Pathology,
Animal Physiology,
or Nutrition)
Bacteriology and Immunology
Biochemistry
Botany
Chemistry
Electrical Communications
Entomology
Experimental Medicine
Experimental Surgery
Fluid Mechanics
Genetics
Geography
Geological Sciences
Horticulture
Investigative Medicine
Mathematics
Metallurgy
Meteorology
Neurology and Neurosurgery
Parasitology
Pathology
Pharmacology
Physics
Physiology
Plant Pathology
Poultry Husbandry
Psychiatry
Psychology
Zoology

(b) Candidates must hold a Bachelor's degree with at least second class in an Honours course at McGill University, or its equivalent. Candidates with an M.D. degree must have attained high standing.

37. The Degree of Master of Engineering.

(a) Instruction for the degree of Master of Engineering is given in the following Departments of study, which rank as "subjects," in which definite courses may be selected:

Chemical Engineering
Civil Engineering
Electrical Engineering
Mechanical Engineering
Metallurgical Engineering
Mining Engineering

(b) Candidates must hold the degree of Bachelor of Engineering, or an equivalent degree, and their undergraduate academic rank must, in general, be equivalent to high second-class standing.

(c) The establishment of the degree of Master of Engineering does not prevent a properly qualified holder of the degree of Bachelor of Engineering, or the equivalent, from proceeding to the degree of Master of Science in pure science.

38. The Degree of Master of Architecture.

(a) Instruction for the degree of Master of Architecture is given in the following Departments of study, which rank as "subjects."

Architectural Design

Community Planning

Housing

(b) Candidates must hold the degree of Bachelor of Architecture or an equivalent degree, and their undergraduate rank must, in general, be equivalent to high second-class standing.

(c) One only of the above subjects may be taken.

Each candidate is required to take at least one course in his subject involving at least one year of resident study; in the Community Planning option requirements can not be completed in one year.

In addition he is required to meet in personal conference at least once a week the professor under whose supervision he is preparing his thesis.

39. Master's Degrees in Law.

(a) Instruction leading to the degree of Master of Civil Law (M.C.L.) is offered in the following departments of study:

Roman Law

Civil Law

Commercial and Maritime Law

Public Law, including International Law

At least one session of full-time resident study, or its equivalent, is required; this includes the passing of one or more courses and the preparation, under supervision, of an acceptable thesis.

(b) The degree of Master of Laws (LL.M.) is offered in the Institute of Air and Space Law only. The curriculum involves one full-time session of resident study including prescribed and elective courses; students whose work has been found satisfactory will be permitted to complete requirements for the degree by submitting an acceptable dissertation in a subsequent session, which need not be spent in residence.

(c) Applicants for admission to candidacy for the M.C.L. or LL.M. must hold an acceptable degree in Law or equivalent qualifications. For further particulars see page 2715, or consult the Secretary of the Faculty of Law.

40. The Degree of Master of Commerce.

This degree is at present suspended pending reconsideration.

41. The Degree of Master of Library Science.

The candidate must hold the degree of Bachelor of Library Science, or an equivalent degree, from an accredited Library School approved by McGill University. This degree must represent a fifth year of academic study in which the candidate has obtained at least a B average. Competence to undertake graduate study must have been demonstrated and at least two years of professional library experience is required. The student must show evidence of a reading knowledge of at least one language other than English before the degree is granted. The French language is recommended but another language may be accepted if appropriate to the work which the candidate intends to undertake. If courses taken previously by the candidate are considered inadequate for the graduate courses offered he may be required to undertake some additional courses in the Library School or elsewhere in the University.

Candidates should notify the Director of the Library School of their intention to follow the course leading to the M.L.S. degree as early as possible, preferably before August 1st. Formal application to the Faculty of Graduate Studies and Research should be made before September 8th.

42. **Master's Degree in Theology.**

(a) Applicants for admission to the course leading to the degree of *Sanctæ Theologiæ Magister* (S.T.M.) must hold the B.A. degree and the degree of B.D., or its equivalent, from a recognized university, college, or seminary. They must have sufficiently high academic standing and adequate preliminary training, including a knowledge of the requisite ancient or modern languages, for higher studies in the field selected. The M.A. is offered as well as the S.T.M., in the field of Comparative Religion, which is therefore open to other qualified applicants who do not hold the B.D. or equivalent.

(b) Candidates must undertake full-time resident study at McGill University for at least one academic session or two half-sessions, during which they will prepare for the examinations in the courses to which they are assigned. A thesis on an approved subject within the major field selected is a further requirement for the degree. For further particulars see page 2661.

43. **Master's Degree in Science (Applied).**

The degree of Master of Science (Applied) was established in 1949 to permit approved Departments to offer postgraduate training of a professional and vocational character, with less emphasis on theoretical knowledge and research than in other degrees of this Faculty but with no lower standards either for admission or for completion of requirements. Curricula of this type are at present available only in the Departments of Psychology and Geological Sciences (Mineral Exploration), whose statements herein should be consulted, and lead to the degree of Master of Science (Applied) [M.Sc.(Appl.)]. (See pages 2702 & 2769.)

REGULATIONS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY (Ph.D.)

44. (a) Candidates for the degree of Doctor of Philosophy must hold the degree of B.A. with Honours, or B.Sc. with Honours, or B.Eng. or B.Com., or B.Sc. (Agr.) or M.D., with at least good second-class standing in each case, from McGill University, or some equivalent qualification.

(b) Many Departments will require candidates who do not already hold an appropriate Master's degree to register for the M.A. or M.Sc. rather than for the Ph.D. direct; but may later recommend to the Committee on Research that candidates of undoubted promise should be allowed to proceed directly towards the Ph.D. without being required to submit a Master's thesis; in other cases, permission to proceed towards the Ph.D. may depend on the standing obtained in the Master's degree.

(c) Candidates must follow a course of at least three years' resident study at a University or other institution of higher learning or research; this is a minimum requirement, and there is no guarantee that the work for the degree can be completed in this time. Two at least of these years must be spent at McGill University, and these should if possible include the final year. Departments may permit or require candidates to spend one session at another institution approved by the Committee on Research (for fees, etc., see Section 12); it is understood that this session must be one of full-time study, and that the institution selected must be able to provide expert supervision and facilities for research appropriate to the candidate, in the field selected. Candidates are therefore required to submit a programme of the work projected and particulars of the institution selected, for approval by the Committee, before undertaking any such period of study apart. They must register at McGill as non-resident students; and the Committee may require reports on progress from time to time or at the end of the period for which credit is claimed. The Faculty may make special exceptions to these general regulations concerning residence; it may permit McGill graduates, for example, to spend two years in study apart at approved institutions and to reside at McGill for the final year only. Residence credit is not granted for work done during the summer vacations, either at McGill or elsewhere; but it is the custom for candidates to spend the greater part of each summer in work upon the thesis problem, and those who do not do so are unlikely to complete a satisfactory thesis in the prescribed minimum time; in certain subjects, *e.g.* in Agricultural sciences, summer researches are indispensable.

45. A student who has obtained his Master's degree at McGill University or at an approved institution elsewhere, and is proceeding in the same subject to a Ph.D. may, on recommendation of the Department, be permitted to count the work done for the former as the first year of his resident study for the Doctor's degree (see Section 44). The attention of students seeking admission on this basis is drawn to the language requirements (Section 52d), for which they are advised to prepare themselves in advance.

46. Candidates must select one major subject (see Section 31d). Courses leading to the degree of Doctor of Philosophy are offered in the following as major subjects:

Agricultural Bacteriology
Agricultural Chemistry
Agronomy
Anatomy
Bacteriology and Immunology
Biochemistry
Botany
Chemistry
Economics
Electrical Engineering
English
Entomology
Experimental Medicine
Genetics
Geography
Geological Sciences
History
Investigative Medicine
Mathematics
Mechanical Engineering
Meteorology
Neurology and Neurosurgery
Nutrition
Parasitology
Pathology
Pharmacology
Physics
Physiology
Plant Pathology
Political Science
Psychology
Zoology

47. In special cases, other Departments may be authorized to provide courses which will lead to this degree. Candidates desiring to proceed to the degree of Doctor of Philosophy in Departments other than those mentioned above should, therefore, make direct application to the Dean of Graduate Studies and Research, asking whether courses in such subjects can be provided.

48. The course of study which the candidate desires to follow must, before he enters upon it, have been submitted to the Chairmen of the several Departments concerned and have received their approval (see Section 6b)

49. **Preliminary Examination.** The first two years include instruction, training and direction in the candidate's field of study, with the object of giving him a knowledge of his particular subject and its relation to cognate branches of learning and of preparing him for independent investigation. The candidate's preliminary examination is held at the end of the second year, unless otherwise specified by Departmental regulations approved by the Faculty. This examination covers all graduate work previously taken by the candidate, including his prescribed reading, and may also include any work fundamental thereto. The candidate must show that he possesses a good general knowledge of the whole science or branch of learning which he has selected as his major subject. The examination may be written or oral or both. The result of this examination determines whether the

candidate is allowed to proceed to his degree. The final year is devoted chiefly to the preparation of the thesis, the research for which is normally begun in the first year.

50. The candidate is also required to pass the examinations in the courses indicated by the Department, and recorded on his approved registration form, unless they have been marked "not for examination."

51. After the thesis has been received and approved, a final oral examination on the subject of the thesis and subjects more intimately related to it is held. This is conducted in the presence of a Committee of at least four members approved by the Faculty of Graduate Studies.

52. (a) Every candidate must satisfy the Faculty of Graduate Studies and Research that he has a reading knowledge of French and German; candidates may, however, seek the permission of the Dean to substitute another language for either French or German. A student whose native tongue is not English may, under certain conditions, be permitted to substitute English for French or German. The Departments of Agronomy, Parasitology, and Psychology may however require students to concentrate upon *one* foreign language, to be taken at a more advanced level.

(b) The candidate's major Department will select German passages for translation, typical of the subject, and will make arrangements for the examination. The Department of German must approve the passages selected, and will correct the translations and decide whether the candidate has fulfilled the requirements; it may also require any candidate to appear for oral examination. The Department of French will set and conduct its examinations.

(c) The examination in German 500 may be written in the first two weeks of December; other dates may be arranged on recommendation of the Department to the Dean. Examinations in French 500 will be held on Friday, September 8th, and Friday, December 8th, 1961, and on Friday, May 4th, 1962. Application should be made to the Dean's Office. A student will not ordinarily be permitted to attempt any language examination on more than two occasions in any one calendar year. There is no fee for these examinations when they are first taken. A fee of $5.00 is however charged when these examinations are taken after a previous failure (see Section 17).

(d) Candidates are expected to take at least one language examination in the First year of the Ph.D. course, and the other not later than the Second year. Sessional registration forms (Section 6b) must indicate the student's intentions in this respect. Students admitted to the Second

year of the Ph.D. course (Section 45) must discharge their language requirements as early as possible. Sessional registration forms which do not comply with these requirements may be rejected.

(e) The Department of German offers a course open to candidates for the Ph.D. degree and designed to help them to acquire the necessary reading knowledge of the language: two hours per week. A similar course is offered in Russian. (See page 2704.)

53. Thesis.

(a) The thesis for the Ph.D. degree must display original scholarship expressed in satisfactory literary form and be a distinct contribution to knowledge. The subject of this thesis must have been approved, in writing, by the Chairman of the Department in which the major subject is taken, at least twelve months before the date of the final examination; the exact title may be decided later (Section 59d).

(b) Three copies of the thesis must be provided by the candidate; some Departments may require one or more additional copies.

(c) The regulations concerning theses are stated in Sections 59, 60, and 61.

54. Special regulations for the Ph.D. in Economics are stated on page 2669, in History on page 2705, and in Entomology on page 2682.

REGULATIONS CONCERNING THESES

59. (a) In the case of students who wish to graduate at the Spring Convocation, all theses for a Master's degree must be handed to the Dean of the Faculty of Graduate Studies and Research not later than April 12th, 1962.

(b) All theses for the degree of Ph.D. must be in the hands of the Dean not later than April 5th, 1962.

(c) The theses of students who wish to graduate with a Master's degree at the Fall Convocation must be in the hands of the Dean of the Faculty of Graduate Studies and Research not later than August 24th, 1961. In 1962 the deadline will be August 23rd.

(d) The theses of students who wish to graduate as Doctors of Philosophy at the Spring Convocation must be in the hands of the Dean not later than April 5th, 1962. The Ph.D. will not be conferred at the Fall Convocation, save in certain special cases defined below. Ph.D. theses,

provided that their titles have been approved by the Department and submitted to the Dean at least four months earlier, may, however, be handed in to the Dean's office at any time. The Dean will then submit the thesis to the examiners, and the final oral examination will be held at the first convenient time after the examiners have reported; this will ordinarily be about one month after the submission of the thesis, but from June to September (inclusive) two months or more may be required. Candidates are advised to give the Dean's office one or two weeks notice of their intention to submit the thesis; this will lessen the risk of delay. If all other requirements have been met, the examiners' reports are favourable, and the final oral examination is passed, the Dean will issue a certificate stating that all requirements for the degree have been completed and that, subject to the concurrence of Faculty and Senate, the degree will be conferred at the next Spring Convocation.

In all other cases, eligible candidates who have not received the degree at the Spring Convocation *must* register for the following session. If the student has completed *all* requirements, including the final oral, before that following session commences in mid-September, no fee will be required; in all other cases a fee of $10 (non-resident) or $25 (resident) will be charged. Such students should also remember the $10 fee for graduation *in absentia*.

The Ph.D. degree will be conferred at the Fall Convocation only in the following cases: (i) on candidates who had completed all requirements in time for the preceding Spring Convocation, but were prevented from graduating by illness or family misfortune; (ii) on students who, having completed all other requirements in time for the preceding Spring Convocation, had one required examination outstanding, and who subsequently pass this examination not later than September 15th; (iii) on students who, having completed all other requirements (including the final oral examination) in time for the preceding Spring Convocation, have had their theses returned for minor or typographical corrections, and have been permitted to resubmit a revised form; provided that the revised thesis is resubmitted not later than June 30th and is found to be acceptable.

(e) The title of the thesis, as approved by the Department, must be submitted to the Dean's Office at least four months before the thesis is handed in. The Dean may subsequently permit minor changes in the wording of the title.

60. All theses submitted by successful candidates for higher degrees are bound and placed in the Library. Candidates for such degrees are therefore advised that the Faculty of Graduate Studies and Research

requires theses to be prepared in accordance with the following specifications:

(a) Theses must be typewritten and in triplicate; some Departments require a fourth copy. Ultimately one copy is deposited in the McGill Library, one in the Departmental Library, and one is returned to the candidate.

(b) The left-hand margin must have a uniform width of not less than 1½ inches; this rule also applies to diagrams, etc. Drawings, maps, plates, etc., if larger than the prescribed page, may be folded and subsequently bound in only if the flap is not larger than 7 x 11 inches. Larger drawings, maps, etc., must be folded down to not more than 7 x 10 inches, so that they may be placed in pockets in binding.

(c) The paper must be of a good bond grade, and is to be of uniform size, 8½ x 11 inches. Theses on inferior grades of paper will not be accepted. This applies to the first two copies.

(d) No binding is necessary, but the loose sheets must be placed, unfolded, in a manila envelope in the order of their pagination. On the outside of each envelope must be written clearly the name of the candidate, full title of thesis, department, degree, date, and Copy I, II, or III. Students are also asked to suggest a short title of not more than 55 letters (excluding their surname) for the lettering along the back of the bound copy.

(e) Copies of the thesis must be double-spaced and free from typographical and other errors, otherwise they will be returned to the candidate for revision, with consequent delay in the granting of the degree.

(f) Every thesis should have a sufficient table of contents and a thorough bibliography on the subject. Scientific theses should also contain an introductory historical statement of previous work or investigation, and a summary. In the case of the Ph.D. degree, there should be a clear statement of the claim of original work or contribution to knowledge made by the author.

(g) The candidate is required to declare, generally in the preface and specifically in the text of the thesis, the extent to which assistance has been given by members of the staff, fellow-students, technicians, or others, in the collection of material, the design and construction of apparatus, the performance of experiments, and the preparation of the thesis in general. This regulation does not apply to the normal supervision and advice given by the director of the candidate's research.

(h) If a thesis is rejected it cannot be submitted again, in a revised form, more than once (see Section 15).

(i) Unless there is a specific arrangement to the contrary, the candidate must understand that the University Library is free to allow the thesis to be consulted or borrowed, or to be issued in whole or in part in photostat or microfilm form.

(j) Candidates are warned that the preparation of the typescript may take longer than is expected, or may be interrupted by illness, etc.; and that it is most important that the candidate should carefully check the typescript for errors before the thesis is handed in.

SUMMARIES OR ABSTRACTS OF THESES

61. Three copies of a statement or abstract must also be presented, on a separate sheet, giving the author, title of thesis, and a summary not exceeding 150 words. One copy should be placed in each envelope, and the rules above as to format, margins, etc., will apply.

DEPARTMENT OF AGRICULTURAL BACTERIOLOGY

(Macdonald College)

Professor	A. C. BLACKWOOD (*Chairman*)
Associate Professor	R. A. MACLEOD
Assistant Professor	R. KNOWLES

Adequate laboratory and library facilities are available for courses leading to higher degrees, and for research. Candidates for the higher degree must meet the course requirements satisfactorily but are judged principally for their ability in research. Normally in this Department the research problem will be on microbial physiology and biochemistry or on microbiological aspects of soil or food.

COURSES FOR HIGHER DEGREES

60. PHYSIOLOGY OF MICROORGANISMS
Selected topics on physiological mechanisms associated with the life and growth of microbial cells: biosynthetic pathways; transport mechanisms; intermediary metabolism of carbohydrates, fats and proteins; utilization of special compounds; other current topics.
2 hours.
Professor Blackwood

61. SOIL MICROBIOLOGY
A consideration of recent advances in selected aspects of soil microbiology: autotrophs, nitrogen relationships, microfauna, soil-borne pathogens, antibiotics in soil, etc.
2 hours.
Professor Knowles

63. GRADUATE SEMINAR
All graduate students are required to present seminars on selected topics and to prepare and discuss reports from the current literature.
1 hour.
Staff

64. MICROBIAL BIOCHEMISTRY
Nutritional requirements of microorganisms considered in relation to the biosynthetic capacities of the cells; biochemical genetics and enzyme formation; enzyme kinetics and intra- and extracellular enzymatic mechanisms. Stress will be placed on the comparative biochemistry of microbial and other types of living cells.
2 hours.
Professor MacLeod

70. PRELIMINARY EXAMINATION
(See Section 49 of this Announcement)
Staff

REQUIREMENTS FOR DEGREE OF MASTER OF SCIENCE

Candidates are required to have the B.Sc.(Agr.) degree with honours standing or its equivalent. Students who lack sufficient training will be required to take at least two of the courses given in the Department plus the Seminar, and will be required to take cognate courses in related subjects.

To fulfill requirements candidates must satisfy the Department in an oral examination that they possess a good general knowledge of microbiology. The candidate must present a satisfactory thesis based on his own research.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates, normally, are required to have received an M.Sc. degree from this Department, or an equivalent degree. The candidate must demontrate a sound critical ability and a capacity for research and must complete an original research problem and present a satisfactory thesis based on this research. In addition, the candidate will be required to take examinations in courses given by this Department or in cognate subjects given at Macdonald College or at McGill and to take part in the Graduate Seminar in each year of residence. Normally the candidate will be required to take an oral or written Preliminary Examination (Course 70) at the beginning of his final year.

DEPARTMENT OF AGRICULTURAL CHEMISTRY

(Macdonald College)

Professors	R. H. COMMON, *Chairman*
	W. A. DELONG
	H. G. DION
Associate Professor	B. E. BAKER
Assistant Professor	P. A. ANASTASSIADIS
Lecturer	G. O. HENNEBERRY

The Department works in close liaison with the Department of Physics, Macdonald College, and laboratory facilities for research thus include equipment for the use of radioactive tracers, X-ray spectrophotometry, differential thermal analysis, flame photometry, petrological microscopy of soils, electron microscopy, and mass spectrometry.

COURSES FOR HIGHER DEGREES

60. CHEMISTRY OF SOILS

2 lectures per week, second term. *Professor DeLong*

(*Not given in 1961-62.*)

61. PLANT BIOCHEMISTRY

2 lectures per week, second term. *Professor DeLong*

451 and 452. CHEMISTRY OF FOOD AND FEEDING STUFFS AND ADVANCED FOOD ANALYSIS

2 lectures per week, both terms. *Professors Common and Anastassiadis*

63. INDUSTRIAL UTILIZATION OF FARM PRODUCTS

2 lectures per week, second term *Professors Common and Baker*

Special laboratory work (three hours per week) may be required in any of these courses.

REQUIREMENTS FOR THE MASTER'S DEGREE

1. Candidates are required to have the B.Sc. (Agr.) degree with honours standing, or an equivalent qualification. Students holding a B.Sc. degree may be accepted if they have taken appropriate undergraduate work in chemistry with sufficient biology; otherwise a qualifying year will be required.

2. Candidates for the Master's degree are required to take the examinations in two of the courses for higher degrees given in the Department.

3. Candidates may be required to take the examination in one of the cognate courses listed below:

At Macdonald College:

Either Experimentation (Department of Agronomy, Course 444a) *or* Advanced Biophysics (Department of Physics, Course A).

At McGill University in Montreal:

Theoretical Organic Chemistry (Department of Chemistry, Course 200).

Kinetic Theory and Chemical Kinetics (Department of Chemistry, Course 44).

Chemical Thermodynamics and Electrochemistry (Department of Chemistry, Course 35).

Cellulose, Lignin and Related Compounds (Department of Chemistry, Course 203).

Physical Aspects of Biochemistry (Department of Biochemistry, Course 44).

Metabolism (Department of Biochemistry, Course 45).

REQUIREMENT FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates will be judged principally by their ability in research. Special arrangements for course work will be made with the McGill Departments of Chemistry and Biochemistry.

DEPARTMENT OF AGRONOMY

(Macdonald College)

Professor	H. A. STEPPLER
Associate Professor	R. I. BRAWN
Assistant Professors	J. S. BUBAR
	H. R. KLINCK

The research program of the department is concerned with most phases of agronomic investigations, with particular emphasis on problems in plant breeding. Many research studies are carried out jointly or in co-operation with other departments, e.g. Genetics, Soil Chemistry, etc.

COURSES OFFERED FOR HIGHER DEGREES

60. STATISTICAL METHODS
Three lectures per week—both terms. *Professor Steppler*

64. SEMINAR
Weekly meetings; each student will present at least one seminar each term. All students must register for this course each year. *Staff*

65. FORAGE CROP EXPERIMENTATION
Two lectures per week—one term. *Professor Steppler*

66. PLANT BREEDING
Three lectures per week—both terms.
Professors Brawn, Bubar and Klinck

67. METHODS OF AGRONOMIC RESEARCH
Two lectures per week—May to September. *Staff*

70. ADVANCES IN AGRONOMY
One lecture per week—both terms. *Staff*

75. COMPREHENSIVE PRELIMINARY EXAMINATION IN AGRONOMY
(See section 49 of this Announcement) *Staff*

NOTE: *A lecture may be replaced by a laboratory period of at least two hours*

In addition to the general regulations of the Faculty of Graduate Studies, the Agronomy Department has the following requirements:

For the Degree of Master of Science:

(1) Candidates are required to have the B.Sc.(Agr.) degree with high standing, or an equivalent qualification, with sufficient basic training in the courses chosen for the higher degree. Students who lack such training must take the required courses of the undergraduate years, as well as courses in such other subjects as the department may require.

(2) Students will be required to take courses 60, 64 and 67 and at least one other course of those listed. In addition, they may be required to take courses in cognate subjects.

(3) Since the research problems generally involve field experimentation, students will require at least 18 months and more frequently two years to complete the research and hence the requirements for the degree.

For the Degree of Doctor of Philosophy:

(1) Candidates must have an M.Sc. degree with specialization in Agronomy and a high standing achieved in both course work and thesis.

(2) Students will be judged primarily by their ability in conducting research.

(3) Students will be required to take course 75. Courses 64 and 70 will be taken in each year of resident study. Students may also be directed to take such other courses in Agronomy or cognate subjects as the department requires. Students who take their M.Sc. at McGill may be required to spend one session in study at another University (see section 44c of this Announcement).

DEPARTMENT OF ANATOMY

Professors	C. P. LEBLOND, *Chairman*
	J. LANGMAN
	C. P. MARTIN
Associate Professors	S. M. BANFILL
	Y. CLERMONT
Assistant Professor	N. J. NADLER
Lecturers	E. W. WORKMAN
	L. HELLER
Research Associate	M. ENESCO
Teaching Fellow	D. PUDDY

The department offers facilities for research work leading to the degrees of Master of Science and Doctor of Philosophy in Anatomy. The emphasis may be on Microscopic or Gross Anatomy or Embryology.

For registration as a graduate student, the candidate must hold a B.Sc. or M.D. degree or any equivalent degree, as judged by the Faculty, and must have displayed general proficiency in biological studies.

For the M.Sc. and Ph.D. degrees, the students must demonstrate the ability to conduct original research and complete a series of courses with

high standing. In addition to the preparation of a thesis based on original research, Ph.D. candidates will write a comprehensive examination after the end of the Second year.

When the emphasis is on Gross Anatomy or Embryology, the students will take 1 (Gross Anatomy), 2A (Neuro-Anatomy), 7 (Experimental Morphology) and 8 (Embryology). Ph.D. candidates will be required to take courses such as 4 (Advanced Neuro-Anatomy) and 6 (Histology) and to extend their knowledge of Anatomy at an advanced level, including the use of technical procedures.

When the emphasis is on Microscopic Anatomy, students will take 6 (Histology), 7 (Experimental Morphology) and 8 (Embryology). Candidates for the Ph.D. degree will be required to take courses such as 1 (Gross Anatomy), 2 (Neuro-Anatomy), General Pathology and Advanced Endocrinology.

ADVANCED AND GRADUATE COURSES

4. ADVANCED NEURO-ANATOMY

2 evenings per week, first term. *Professor F. L. McNaughton (M.N.I.)*

7. EXPERIMENTAL MORPHOLOGY

(a) A seminar on biological problems—1 hour per week.

(b) A practical course on the planning of biological experiments, laboratory animal management and operations, histological and histometrical techniques, tracing methods (Radioisotope measurement by Geiger counter and localization in tissue section by radioautography), microphotography, statistical methods for assessing data, etc.

One hour lecture and 2 hours laboratory per week.

Professors Leblond and Langman

DEPARTMENT OF ANIMAL SCIENCE

Professors

L. E. LLOYD, *Chairman* (*Nutrition*)
E. W. CRAMPTON (*Nutrition*)
HELEN R. NEILSON (*Nutrition*)

Associate Professors

M. A. MACDONALD (*Physiology*)
N. NIKOLAICZUK (*Nutrition*)
R. P. POIRIER (*Animal Breeding*)

Assistant Professors	H. F. MacRae (*Biochemistry*) D. G. Dale (*Animal Pathology*) J. E. Moxley (*Animal Breeding*)
Lecturer	E. Donefer (*Nutrition*)
Honorary Assistant Professor	H. C. Gibbs (*Animal Pathology*)
Research Associate	R. A. Costain (*Nutrition*)

The department offers facilities for research work leading to the degree of Master of Science in Animal Breeding, Animal Pathology and Animal Physiology, and to the degrees of Master of Science and Doctor of Philosophy in Nutrition. In addition to the completion of the courses described for each discipline and the submission of an acceptable thesis, candidates for these degrees must register for and complete such cognate courses as are prescribed by the candidate's director of research.

ANIMAL BREEDING

Laboratory and library facilities are available for research in Animal Breeding as related to mammalian and avian species. In general, students wishing to undertake a programme of studies and research leading to the degree of Master of Science in Animal Breeding should have undergraduate training in Genetics, Mathematics, Zoology, Chemistry and Physiology. The particular research project undertaken will depend on the candidate's undergraduate qualifications and specific research interests.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE IN ANIMAL BREEDING

A—ADVANCED POULTRY BREEDING

A complete review of the genetics of the chicken and the turkey. Methods of calculating statistical values useful in poultry breeding and a review of the more recent genetic research in poultry such as blood typing and transfer of D.N.A.

Professor Poirier

B—PROBLEMS IN ANIMAL BREEDING

A consideration of the problems involved in the improvement of the larger farm animals and the application of genetics in their solution.

Professor Moxley

C—SEMINAR

Presentation and discussion of recent literature and its application to Animal Breeding; a study of experimental methods used and critical analyses of results and conclusions drawn from experimental work undertaken within the department and elsewhere.

Professor Poirier and Staff

Students proceeding to a Master of Science degree in Animal Breeding must complete Course C (seminar) and either Course A or B.

ANIMAL PATHOLOGY

Laboratory and library facilities for research and study in selected phases of Animal Pathology are available.

In general, candidates for the Master of Science degree in Animal Pathology must hold a D.V.M. or B.V. Sc. degree. However, exceptions to this general rule may be made at the discretion of the department chairman where an applicant's training is considered satisfactory for a specific research problem.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE IN ANIMAL PATHOLOGY

A—INVESTIGATIVE TECHNIQUES

The application of laboratory methods used in the fields of parasitology, bacteriology, histopathology, serology and experimental physiology to research on animal disease problems. The design and conduct of experiments involving livestock and/or laboratory animals and the interpretation of data from such studies. One or more of such projects will form the basis of the thesis to be presented.

Professors Dale and Gibbs

B—COLLOQUIUM

Discussions on recent developments in Animal Science that have a bearing on the incidence, control and prevention of animal diseases.

Demonstrations and discussions of current animal disease problems utilizing autopsy material from the routine diagnostic services of the Federal Animal Pathology Laboratory situated on the campus, and clinical material originating in the College herds and flocks.

Professor Dale

C—SEMINAR

Students are required to participate in seminars which include the preparation and presentation of appropriate literature reviews and results of research projects that are applicable to the field of Animal Pathology.

Professor Dale and Staff

ANIMAL PHYSIOLOGY

Adequate laboratory and library facilities are available for research in several phases of Animal Physiology. Graduate students undertaking a programme of studies and research leading to the degree of Master of Science are expected to commence such studies with a sound undergraduate training in Chemistry, Genetics, Mathematics, Physics, Physiology and Zoology or their equivalent.

In addition to graduates in Animal Science, students qualified in Biochemistry, Biology, Physiology or Zoology who are interested in familiarizing themselves with various phases of Animal Physiology are welcome to undertake graduate studies. The particular research project undertaken will depend on the candidate's undergraduate qualifications and specific research interests.

COURSES FOR DEGREE OF MASTER OF SCIENCE IN ANIMAL PHYSIOLOGY

A—ADVANCED PHYSIOLOGY OF ANIMALS

An integration of current research in Physiology and its application to domestic animals with special reference to the energetics and manner of animal development, reproduction, milk secretion, intermediary metabolism and kidney excretion; research methods, experimental designs and the interpretation of results including special applications of statistics in the analysis of physiological responses are considered.

Professor MacDonald

B—EXPERIMENTAL TECHNIQUES IN ANIMAL PHYSIOLOGY

Some physiological techniques and experimental designs of studies involving farm and laboratory animals, the subsequent analyses and interpretation of results, and the preparation of technical reports on one or more phases of research in physiology are undertaken.

Professors MacDonald and Dale

C—SEMINAR

Presentation and discussion of recent literature in physiology and allied subjects and the application of results to farm and experimental animals; a study of experimental methods used and critical analyses of results and conclusions drawn from experimental work undertaken within the department and elsewhere.

Professor MacDonald and Staff

NUTRITION

Adequate laboratory and library facilities are available for fundamental and applied research in Nutrition as related to mammalian and avian species, including human subjects, farm and laboratory animals, and poultry.

The particular research problem undertaken may depend on the candidate's academic background. For example, graduates in agriculture or veterinary science may choose to pursue research problems related primarily to farm animals or poultry, while others with training in Home Economics may associate themselves with projects closely related to human nutrition. Still others may wish to undertake studies on problems of a fundamental nature not specifically related or directly applicable to any one particular species of animal.

COURSES FOR DEGREE OF MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY IN NUTRITION

A—EXPERIMENTAL TECHNIQUE

Design and conduct of nutritional studies involving experimental animals or subjects; statistical analysis and the interpretation of data from such studies; preparation of technical reports of nutrition research. This course includes: (1) lectures on specific topics in nutrition experimentation, and (2) the actual conduct and interpretation of research projects, one of which will form the basis of the thesis presented toward the degree sought.

Professor Crampton

B—ADVANCED NUTRITION

A series of lectures and discussions on subjects of current interest in the general field of nutrition, with special reference to energy, the amino acids, vitamins and minerals, and to their biological interrelationships. Consideration will be given to specific nutritional problems related to poultry, ruminant and non-ruminant farm animals and humans.

Professor Nikolaiczuk

C—SEMINAR

Each graduate student is required to present and attend departmental seminars on approved topics within his or her area of research interest, and to prepare and discuss reports from current literature.

Professor Lloyd and Staff

SCHOOL OF ARCHITECTURE

Professor JOHN BLAND, *Director*

Associate Professor HAROLD SPENCE-SALES

COMMUNITY PLANNING

An interdepartmental Committee of the Faculty of Graduate Studies and Research offers a programme of graduate training for those wishing to specialize in Community Planning. The Committee represents the Departments of Architecture, Economics, Political Science, Geography, Law, Social Work and Sociology. Candidates are required to meet the

requirements for the Master's Degree of the departments in which they are registered. In addition candidates are required to attend a Graduate Seminar, Planning Workshop, and other courses that are recommended by the Committee according to the candidates' particular needs.

A number of Fellowships in Community Planning valued at $1,200 are usually offered every year by the Central Mortgage and Housing Corporation, Ottawa, from which particulars can be obtained.

Chairman of the Committee on Physical Planning
Professor H. Spence-Sales

1. SEMINAR IN COMMUNITY PLANNING
2 hours per week. *Professor Spence-Sales*

2. PLANNING WORKSHOP
2 hours tutorial and 8 hours problems. *Professor Spence-Sales*

COURSES FOR THE MASTER'S DEGREE IN ARCHITECTURE

1. ARCHITECTURAL DESIGN
2 hours tutorial and 18 hours problems and report per week.
Professor Bland

2. HOUSING.
2 hours tutorial and 18 hours problems and reports. *Professor Bland*

3. Candidates will be required to attend the Seminar in Community Planning and one other course bearing upon their theses.

DEPARTMENT OF BACTERIOLOGY AND IMMUNOLOGY

Professor R. W. REED, *Chairman*

Associate Professors G. G. KALZ
J. W. STEVENSON

Assistant Professors FRITZ BLANK
C. A. BUTAS
F. A. HOLDEN
A. M. MASSON
B. H. MATHESON
S. I. VAS

Lecturers	P. E. Cooke
	M. Franklin
	S. Juhasz
	L. Kapica
	H. D. King
	E. Mankiewicz
	S. Nommik
	F. H. Prissick
	R. Silov
Teaching Fellow	E. L. Medzon

GENERAL QUALIFICATIONS FOR ADMISSION

A B.Sc. degree with at least second class Honours in Bacteriology and Immunology, or the degree of M.D.,C.M. with high standing in Bacteriology, Immunology, and Pathology, from McGill University, is required. The equivalent from elsewhere is recognized but this must be supported by confidential letters of recommendation from professors familiar with the candidate's work.

Candidates should forward their applications to the Dean before May 30th. Successful applicants will be notified before June 30th.

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

Candidates who have satisfactorily completed the Honours course in Bacteriology as undergraduates may present themselves for examination for the M.Sc. degree at the end of one year's graduate work in the Department. Others may be required to spend two years in the Faculty of Graduate Studies and Research, the first of which will be taking a Qualifying Course comprising the Honours undergraduate Courses 42, 43a and 44 and such other courses as the Department approves. Candidates taking the Qualifying Course must reach a satisfactory standard in the examination at the end of the year to be permitted to proceed to the second year work. In cases where good and sufficient reason is shown, in terms of equivalent work, the Department may exempt a candidate from the Qualifying Year. Exemption from a Qualifying Year may be gained by attaining second class marks in an Entrance Examination equivalent to the Examination for Honours in Course 42 and 43a. Candidates are required to present one topic for a Seminar and to attend Course 51 and with due approval may attend other courses in the University Departments. The candidate is required to pass a general examination in Bacteriology and Immunology, including subjects dealt with in Course 51, and may be required to pass examinations in courses prescribed by the Department. These examinations together with a thesis on a research problem will determine the award of the Degree in accordance with regulations.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates for the Ph.D. degree are required to have obtained a satisfactory standing in their work for the M.Sc. degree (McGill).

Candidates are required each year to present one topic for a Seminar and attend Course 51 and may be required to attend cognate courses in other Departments. Candidates are required to pass a general examination in Bacteriology and Immunology, but will be judged principally on the ability they display in research.

Candidates will be occupied mainly in original research and the preparation of a thesis in accordance with Faculty regulations.

ADVANCED UNDERGRADUATE COURSES

32. SYSTEMATIC BACTERIOLOGY
An advanced systematic study of the bacteria.
Both terms: 2 lectures, 2 three hour laboratory classes.

33b. VIRUSES AND RICKETTSIAE
Second term: 2 lectures, 1 three hour laboratory class.

44. MICROBIAL PHYSIOLOGY AND SPECIAL TECHNIQUES
This course will be offered first in 1962-63.
Both terms: 2 lectures, 2 two hour laboratory classes.

45. ADVANCED IMMUNOLOGY
First term: 2 lectures.
Second term: 6 hours of laboratory.

46b. BACTERIOLOGY SEMINAR
Students are required to prepare and present two reviews on selected topics and to attend all seminars.
The course is offered only to Honours students in Bacteriology.

GRADUATE COURSES

51. GRADUATE SEMINAR.
Lectures and discussions once a week. All graduate students are required to participate.

SPECIAL FACILITIES

The courses given by the Department in the Faculty of Arts and Science and the Faculty of Medicine are available to candidates for the M.Sc. and Ph.D. degrees.

The practice of the clinical services in bacteriology, virology and mycology is available to candidates as a means of instruction and as a source of material for study.

DEPARTMENT OF BIOCHEMISTRY

Professors	K. A. C. Elliott, *Chairman* O. F. Denstedt J. H. Quastel D. L. Thomson
Associate Professors	M. Saffran P. G. Scholefield S. Solomon
Assistant Professors	E. A. Hosein Rose M. Johnstone D. Rubinstein S. S. Solomons

Students who have satisfactorily completed the Honours course in Biochemistry and who have been accepted as research students by a research director approved by the Department may register for the M.Sc. or Ph.D. degree. Students who have not obtained a suitable Honours degree or its equivalent will be required to take a qualifying year or otherwise make up for deficiencies. Candidates for either degree will be judged principally by the ability they display in research but they must attend and pass examinations in graduate courses as detailed below. Candidates may be required to take undergraduate courses in Biochemistry or cognate subjects. Research work will be carried on in the Department laboratories, where the main projects at present deal with the chemistry and chemical pathology of blood, connective tissue, liver, brain and muscle, or in the McGill-Montreal General Hospital Research Institute, where projects on enzymology and cancer and brain metabolism are conducted, or at the Montreal Neurological Institute Laboratory of Experimental Neurochemistry or in the Biochemical Laboratories of the Allan Memorial Institute of Psychiatry or in certain other laboratories approved by the Department.

ADVANCED UNDERGRADUATE COURSES

43. ADVANCED BIOLOGICAL CHEMISTRY
3 hours. *Professor Denstedt*

44. PHYSICAL ASPECTS OF BIOCHEMISTRY
3 hours. *Professor Thomson*

45. METABOLISM
2 hours, first term.
3 hours, second term. *Professor Quastel and Staff*

47. ADVANCED PRACTICAL BIOCHEMISTRY
12 hours. *Professor Hosein*

GRADUATE COURSES

51-52. SPECIALTIES AND RECENT ADVANCES IN BIOCHEMISTRY

One hour. *Professor Saffran and Staff*

In this course groups of lectures will outline special fields of Biochemistry and topics in which advances have been rapid. The content of the course will change from year to year.

M.Sc. and first year Ph.D. students are required to attend this course for one year and to pass an examination.

Ph.D. students are required to attend and pass examinations in two successive years.

62 and 63. ADVANCED ENDOCRINOLOGY (To be registered for as Investigative Medicine 62 and 63).

These alternating courses are given jointly with the Departments of Experimental and Investigative Medicine and Anatomy in cooperation with the Institute of Experimental Medicine and Surgery of the University of Montreal.

Course 62 deals with steroid hormones. Course 63 with nitrogen-containing hormones. The latter only will be given in 1961-62.

To be taken by students whose research directors advise them to do so.

SEMINARS

There are two series of seminars.

The Junior Seminars consist of symposia in which groups of M.Sc. or first year Ph.D. students make integrated short presentations on a selected subject not related to their own research interest.

The Senior Seminars consist of presentations by third or later year Ph.D. students on their own work or on subjects directly related to it.

71. This consists in attendance at the Junior and Senior Seminars for one year and making one presentation at the Junior Seminar.

72. This consists only in attendance at the Junior and Senior Seminars for one (second) year.

73. This consists only in making a presentation at the Senior Seminar.

All M.Sc. and Ph.D. students are required to take 71 for one year. Second year Ph.D. students who have taken 71 are required to take 72. Third or final year Ph.D. students are required to take 73. Graduate students are also expected to attend certain informal seminars and are encouraged to attend relevant scientific meetings in Montreal.

DEPARTMENT OF BOTANY

Professors	MURIEL V. ROSCOE, *Chairman* R. D. GIBBS
Associate Professors	C. M. WILSON G. H. N. TOWERS
Assistant Professors	W. G. BOLL P. F. MAYCOCK H. C. WHISLER

Candidates who have satisfactorily completed the Honours course in Botany or its equivalent, if accepted, will enter immediately upon a programme of courses and research leading to either the M.Sc. or Ph.D. degree.

Students with insufficient background to carry graduate work in Botany may enrol for a Qualifying Year and take such work as is prescribed up to a maximum of five full courses.

For the M.Sc. degree, a student must take a minimum of two full courses (or the equivalent in half courses) from those offered below. On the advice of the Director of Research one cognate course may be substituted. He will also carry out his research project and write a thesis. It is possible for well-qualified candidates to present themselves for the M.Sc. degree at the end of one year of graduate work.

For the Ph.D. degree, a student will take such additional courses as are required to round out his general background as well as those which relate to his particular line of specialization. In any case, he must take at least one course not included in his M.Sc. programme. Ph.D. candidates must pass a general examination in Botany and also demonstrate ability in research and preparation of a thesis.

The Department specializes in work bearing on comparative anatomy of vascular plants, plant embryology, carbohydrate and nitrogen metaboblism, respiration and photosynthesis, comparative chemistry of plants as related to taxonomy, tree physiology, life histories, cytology and metabolism of algae and fungi, and morphogenesis.

COURSES FOR HIGHER DEGREES

433. PLANT BIOCHEMISTRY
2 lectures; 2 laboratory periods. *Professors Gibbs and Towers*
(*Given in 1961-62; not given in 1962-63.*)

441. MICROTECHNIQUE
1 lecture; two laboratory periods. *Professor Roscoe*

445. PLANT MORPHOGENESIS (Full course). A survey of the physiological, biochemical, and genetic approaches to the experimental study of plant morphogenesis, including growth correlation, the function of plant hormones and the environmental control of plant development and morphology.

First term: 2 hours lectures and 3 hours laboratory.

Second term: 2 hours lectures and weekly seminar.

Prerequisite: Botany 100 or 11b, 31, and Genetics 21.

(*Not given in 1961-62; given in 1962-63.*)

Professor Boll

61. ADVANCED PLANT PHYSIOLOGY

2 lectures with laboratory. *Professors Towers and Boll*

62. PROBLEMS IN CRYPTOGAMIC BOTANY

Lectures and conferences. *Professor Whisler*

63. PLANT ECOLOGY

Lecture, conference, field, and laboratory work. *Professor Maycock*

64. PLANT EMBRYOLOGY (Half course)

Lecture, conference, and laboratory work. *Professor Roscoe*

65. ADVANCED MYCOLOGY

Seminar, 2 hours. *Professor Wilson*

66. SPECIAL TOPICS (Full course or half course)

Prescribed reading, conference, and practical work on selected topics within Anatomy, Physiology, Taxonomy, Phytogeography, Ecology, Mycology, Plant Biochemistry, etc. *The Staff*

DEPARTMENT OF CHEMICAL ENGINEERING

Professor J. B. PHILLIPS, *Chairman*

Assistant Professors W. J. M. DOUGLAS
K. A. SHELSTAD

Special Lecturer WILLIAM GAUVIN

61. ADVANCED CHEMICAL ENGINEERING

2 hours. *Dr. Gauvin*

(a) Unit Operations:

Selected topics from fluid dynamics, heat transfer and evaporation, with emphasis on transient systems; radiant heat transmission in the presence of an absorbing atmosphere; operations based on the equilibrium concept, such as multiple-component rectification.

(b) Advanced Thermodynamics:

Thermodynamic Properties of non-ideal binary and ternary systems; estimation of properties from compressibility data; introduction to Statistical Thermodynamics; the Third Law.

This course is open only to students who have had previous training in Unit Operations and Thermodynamics.

62. FLUID MECHANICS AND PARTICLE DYNAMICS

2 hours. *Dr. Gauvin*

Development of basic differential equations of fluid motion and their application to potential flow, and to laminar and turbulent flow in closed circuits and past immersed bodies. The Boundary Layer Theory and the concepts of turbulence. Dynamics of small particles and statistical treatment of particulate systems. Application of the fundamental principles to the problem of heat, mass, and momentum transfer in solid-gas systems, such as pneumatic conveying, spray-drying, and flash-drying.

63. CHEMICAL ENGINEERING RATE OPERATIONS

2 hours. *Professor Douglas*

Advanced treatment of a number of Chemical Engineering operations which are analysed by means of rate equations. Topics are chosen principally from the areas of chemical reaction rates, mass transfer including diffusional and bulk transport rates, and heat transfer.

64. HEAT AND MASS TRANSFER IN DISPERSED SYSTEMS

2 hours. *Professor Shelstad*

Heat transfer in packed beds and in fluidized beds of solid particles. The use of adsorbents and of packed towers in separating mixtures of gases and mixtures of liquids.

REQUIREMENTS FOR MASTER'S DEGREE

The following are required for the Master of Engineering degree:

1. At least two graduate courses in Chemical Engineering.
2. At least one other advanced course, usually in Chemistry, Physics, or Mathematics.
3. Chemical Engineering Colloquium.
4. Thesis on a Chemical Engineering subject. The experimental work would be in heat transfer, distillation, absorption, extraction, drying, and applied physico-chemical problems.

REQUIREMENTS FOR THE Ph.D. DEGREE

Students having the approval of the Dean of Graduate Studies and Research may proceed to the degree of Doctor of Philosophy in Chemical Engineering.

All the general regulations of the Faculty of Graduate Studies and Research for the Ph.D. degree will apply.

In addition to the courses required for the Master's degree, a student will take such graduate courses in Chemical Engineering and advanced cognate courses as may be required by the department.

DEPARTMENT OF CHEMISTRY

Professors	CARL A. WINKLER, *Chairman*
	C. B. PURVES
	L. YAFFE
Associate Professors	R. K. HOLCOMB
	J. H. MENNIE
	R. V. V. NICHOLLS
	A. S. ROSS
	H. I. SCHIFF
	A. TAURINS
Assistant Professors	G. C. B. CAVE
	J. T. EDWARD
	G. E. JUST
	M. ONYSZCHUK
	R. F. ROBERTSON
	A. SEHON
Research Associates	D. A. I. GORING
	O. MAASS
	R. ST. J. MANLEY
	S. G. MASON
	W. A. MUELLER
	A. A. ROBERTSON
	T. TIMELL

Adequate laboratory and library facilities are available for the courses listed below and for research. The Pulp and Paper Research Institute affords ample facilities for research on the structure and properties of carbohydrates, cellulose, lignin, wood, and pulp and paper.

Any of the following courses may be required of a student who is admitted to the Graduate School if the equivalent has not been taken previously.

311. ATOMIC STRUCTURE AND VALENCE THEORIES

2 hours. *Professors Onyszchuk and Yaffe*

References: Livingston, Physico Chemical Experiments (Macmillan); Palmer, Experimental Physical Chemistry (Cambridge).

345. CHEMICAL THERMODYNAMICS AND ELECTROCHEMISTRY. First and second laws, entropy, free energy, activity and fugacity in ideal and real solutions; Solutions of strong electrolytes. Electrode potentials, electrochemical cells, electrolytic conduction and electrolysis, specific and equivalent conduction, mobility and transport numbers, overvoltage and polarization.

3 hours. *Professor Robertson*

Texts: Klotz, Chemical Thermodynamics (Prentice-Hall); Lewis and Randall, Thermodynamics (McGraw-Hill); Glasstone, Introduction to Electrochemistry (Van Nostrand).

411. INORGANIC CHEMISTRY. Selected topics in inorganic chemistry.

2 hours. *Professors Holcomb, Frueh, Onyszchuk and Yaffe*

412. INORGANIC CHEMISTRY LABORATORY. An introduction to modern techniques for the preparation of inorganic compounds.

6 hours laboratory, second term. *Professors Holcomb and Onyszchuk*

Text: Jolly, Synthetic Inorganic Chemistry (Prentice-Hall).

421. ORGANIC CHEMISTRY. Selected topics in organic chemistry, including natural products, stereochemistry and reaction mechanisms.

2 hours. *Professor Edward*

422. ORGANIC CHEMISTRY LABORATORY. An introduction to modern techniques in organic chemistry, including chromatrography of various types, extraction, electrophoresis, etc.

3 hours laboratory. *Professor Taurins*

Text: Linstead, Elvidge and Whalley, A Course in Modern Techniques of Organic Chemistry (Butterworth).

433. INSTRUMENTAL METHODS OF ANALYSIS. An introduction to modern techniques of chemical analysis, including gas chromatography, mass spectrometry, chemical microscopy, x-ray diffraction, measurements of radioactivity, infrared and ultraviolet spectrophotometry, optical spectrography, x-ray fluorescence spectrometry, polarography, etc.

1 hour, first term.

6 hours laboratory, second term. *Professor Cave and others*

444. KINETIC THEORY AND CHEMICAL KINETICS. Description of physical phenomena in terms of statistical distribution functions; concept of cross-section; transport phenomena; dynamics of two-particle encounters; measurement and ıalculation of rates of chemical reactions; energetics of reactions; theories of reaction mechamism; heterogeneous and homogeneous catalysis.

2 hours. *Professor Sehon*

References: Moelwyn-Hughes, Physical Chemistry (Pergamon Press); Glasstone, Textbook of Physical Chemistry (Van Nostrand); Present, Kinetic Theory of Gases (McGraw-Hill); Laidler, Chemical Kinetics (McGraw-Hill); Trotman-Dickenson, Gas Kinetics (Butterworth).

442. PHYSICAL CHEMISTRY LABORATORY. More advanced physico-chemical methods applied to equilibria, reaction kinetics, colloids, and electrochemistry.

442. PHYSICAL CHEMISTRY LABORATORY. More advanced physico-chemical methods applied to equilibria, reaction kinetics, colloids, and electrochemistry.

6 hours laboratory. *Professor Ross*

Text: Daniels, Mathews, Williams, Bender and Alberty, Experimental Physical Chemistry, 5th ed. (McGraw-Hill).

References: Weissberger, Technique of Organic Chemistry, Vol. I, Physical Methods, Vol. IV, Distillation, Vol. VIII, Investigation of Rates and Mechanisms of Reactions (Interscience); Reilly and Rae, Physico-Chemical Methods (Van Nostrand).

445. INTRODUCTION TO QUANTUM MECHANICS AND STATISTICAL THERMODYNAMICS. Solution of Schrödinger equation for simple models; interpretation of atomic and molecular spectra; derivation of thermodynamic properties from spectral data.

References: Herzberg, Atomic Spectra and Atomic Structure (Dover Publication); Herzberg, Spectra of Diatomic Molecules, 2nd ed. (Van Nostrand); Pitzer, Quantum Chemistry (Prentice-Hall); Aston and Fritz, Thermodynamics and Statistical Thermodynamics (Wiley).

461. COLLOID CHEMISTRY. Descriptive, thermodynamic and kinetic treatment of properties of surfaces, sols, emulsions, gels.

1 hour. *Professor Robertson*

References: Weiser, Colloid Chemistry, 2nd ed. (Wiley); Adam, Physics and Chemistry of Surfaces, 3rd ed. (Oxford); Brunauer, Adsorption of Gases and Vapors, Vol. I (Princeton); Alexander and Johnson, Colloid Science (Oxford); Harkins, Physical Chemistry of Surface Films (Reinhold); Jirgensons and Straumanis, Short Textbook of Colloid Chemistry; Gregg, The Surface Chemistry of Solids (Reinhold).

470. CHEMISTRY AND TECHNOLOGY OF HIGH POLYMERS. Organic (carbon) and inorganic (silicon) polymers; nature of polymeric molecules; relationship between molecular structure and physical, chemical and mechanical properties; experimental methods for controlling and determining structure of polymers; properties of commercially available materials; methods of fabrication.

1 hour. *Professor Nicholls*

GRADUATE COURSES

600. SPECIAL TOPICS. Critical and original essays are required on various subjects of current interest in chemistry.

2 hours. *Staff*

601. INFRARED SPECTROPHOTOMETRY (For graduate students in Chemistry only). Theory of infrared spectra, their interpretation and application to the determination of molecular structure. Laboratory exercises, including preparation of samples and instrumentation.

1 hour. *Professor Taurins*

621. RECENT ADVANCES IN ORGANIC CHEMISTRY.

1 hour. *Professor Just*

622. HETEROCYCLIC COMPOUNDS. A selection of advanced topics on the structure, reactivity and methods of synthesis of heterocyclic compounds containing oxygen, nitrogen and sulphur as heteroatoms.

1 hour. *Professor Taurins*

623. NATURAL PRODUCTS. A study of recent investigations, mainly in the field of alkaloids and terpenes, to illustrate modern methods of determining structure, and the application of stereoelectronic theory to complex molecules.

1 hour. *Professor Edward*

624. CELLULOSE, LIGNIN, AND RELATED COMPOUNDS. The chemistry of some typical polysaccharides, including plant gums, pectins and hemicelluloses, is outlined; wood lignin, the linear structure, the polymolecularity, and the supermolecular structure of cellulose are discussed.

2 hours. *Professor Purves and Dr. Timell*

631. SELECTED TOPICS IN ANALYTICAL CHEMISTRY. A directed reading course on advanced topics.

2 hours. *Professor Cave*

644. CHEMICAL KINETICS. Advanced treatment of selected topics in chemical kinetics and photochemistry.

2 hours. *Professor Sehon*

645. STATISTICAL THERMODYNAMICS. Introduction to quantum mechanics, Schroedinger equation, solution of wave equation for simple models; Bose-Einstein and Maxwell-Boltzmann statistics; partition function for the models; calculation of thermodynamic quantities. Application to simple molecules, using spectroscopic data.

2 hours. *Professor Schiff*

676. SELECTED TOPICS IN POLYMER AND COLLOID SCIENCE. The topics include the following: Solution properties of macromolecules; kinetics of polymerization; determination of molecular weight and shape; phase transitions in polymers; X-ray diffraction; monomolecular layers; stability of colloids; electrical double layers; polyelectrolytes; proteins, etc.

2 hours. *Dr. Mason and Associates*

681. RADIOCHEMISTRY. Nuclear properties; semi-empirical mass formula; isobaric behaviour; modes of radioactive decay; nuclear reactions; compound nucleus; cross-sections; high energy reactions; instruments and techniques used in measurement and study of radiations; methods of isolation, concentration and identification of radioactive nuclides; chemistry of low concentrations; some applications of radioactive tracers.

1 hour. *Professor Yaffe*

682. SELECTED TOPICS IN RADIOCHEMISTRY. This course is designed to be of a more general nature than Chemistry 681. A number of lectures will be given dealing with fundamentals of radio-chemistry, radio-tracer techniques and applications. The remainder of the lectures will be devoted to special topics including isotope effects, exchange reactions, C^{14} dating technique, synthesis of the new elements, etc.

1 hour. *Professor Yaffe*

720. COLLOQUIUM—ORGANIC

Each student is required to participate in Research Colloquia which are held bi-monthly. These involve the presentation and discussion of papers dealing either with the student's own research or with recent research publications. *Staff*

740. COLLOQUIUM—INORGANIC, PHYSICAL AND ANALYTICAL.
As for 720 above. *Staff*

APPLICATIONS FOR ADMISSION

If possible a candidate should specify the field of research in which he is interested

Candidates accepted for graduate work may begin research on June 1st

Those students in the Graduate School who are awarded demonstratorships are required to devote not more than 12 hours to instruction in undergraduate laboratories per week during the academic session.

REQUIREMENTS FOR THE MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY DEGREES

I. Students must take such examinations as may be required in (a) assigned courses given in the Department of Chemistry, (b) assigned cognate courses given in other departments, (c) assigned foreign languages.

Courses are assigned after taking into consideration the student's previous training and the field of his research interest.

II. Students must complete successfully a research project and submit an acceptable thesis thereon.

Research in this Department may be conducted in (a) Analytical Chemistry, (b) Inorganic Chemistry, (c) Nuclear and Radiochemistry, (d) Physical Chemistry, (e) Colloid Chemistry, (f) Organic Chemistry, (g) Cellulose Chemistry, (h) Immuno-chemistry.

III. Students must satisfy the examiners in an oral examination on the thesis and related subjects (required only of candidates for the Ph.D. degree).

FINANCIAL ASSISTANCE

It is usually possible to provide financial assistance during the four summer months. Financial assistance during the academic session is generally available in the form of demonstratorships or scholarships and occasionally by payment from research funds.

EXAMINATIONS IN CHEMISTRY

1. Examinations are normally taken by the candidate in May. In special circumstances, and with the permission of the Department, they may be taken in September.

2. A candidate for the Ph.D. degree shall pass all examinations, other than those in certain special courses, before the final year, except in special circumstances and then only with the approval of the Department.

DEPARTMENT OF CIVIL ENGINEERING AND APPLIED MECHANICS

Professors	CARLETON CRAIG, *Chairman* J. L. DESTEIN
Associate Professor	ANDREJS PAKALNINS
Assistant Professor	RAYMOND YONG

Adequate laboratory and library facilities are available for the courses listed below. Facilities for research are available in the following fields:

(a) reinforced concrete structures
(b) strength and stability of steel and light alloy structures
(c) soil mechanics
(d) hydraulics

COURSES FOR THE MASTER'S DEGREE

60. STATICALLY INDETERMINATE STRUCTURES

First term, 2 hours tutorial, and 6 hours computation and reports.

Professor Craig

61. TECHNICAL ELASTICITY

First term, 2 hours tutorial, and 6 hours computation and reports.

Professor Craig

62. STRUCTURAL ANALYSIS

First term, 2 hours tutorial, and 6 hours computation and reports.

Professor deStein

63. HIGHWAY ENGINEERING

4 hours tutorial, and 12 hours computation and reports.

Professor Pakalnins

64. HYDRAULIC ENGINEERING

First term, 2 hours tutorial, and 6 hours computation and reports.

Professor Craig

65. SOIL ENGINEERING

First term, 2 hours tutorial and 6 hours computation and reports.

Professor Yong

66. MUNICIPAL ENGINEERING

Advanced course of design and economics of Public Water Supply, Sewerage, Sewage and Wastes Treatment.

First term, 4 hours tutorial, and 6 hours computation and reports; second term, 2 hours tutorial. *Professor Pakalnins*

Candidates for the M.Eng. degree will be expected to take at least two courses in addition to thesis work.

DEPARTMENT OF CLASSICS

Associate Professors P. F. McCULLAGH, *Chairman*
E. M. COUNSELL

Assistant Professor C. D. GORDON

Lecturer G. R. VALLILLEE

COURSES FOR THE DEGREE OF MASTER OF ARTS

CLASSICS 60. STATE AND INDIVIDUAL: POLITICAL AND ETHICAL CONCEPTS OF THE GREEKS AND ROMANS

An intensive study of selected source material (Greek and Latin), illustrating various stages of ethical and political thought in the ancient world.

2 hours colloquia. *Professor McCullagh*

GREEK 62. READINGS IN THE GREEK HISTORIANS

3 hours. *Professor Gordon*

GREEK 63. HOMER, ODYSSEY

3 hours. *Mr. Vallillee*

LATIN 70. LUCRETIUS

Lucretius' status as poet, philosopher and scientist.

3 hours. *Mr. Vallillee*

LATIN 73. LATIN OF THE SILVER AGE

2 hours colloquia. *Professor Counsell*

LATIN 74. CICERO THE HUMANIST

An examination of selected ethical, political and religious writings of Cicero.

2 hours colloquia. *Professor McCullagh*

LATIN 75. ROMAN HISTORY

A study of the original Latin sources, literary and epigraphic, dealing with selected problems of late republican and early imperial history.

2 hours colloquia. *Professor Gordon*

LATIN 76. LATIN PROSE COMPOSITION

1 hour. *Professor Counsell*

GREEK 77. GREEK PROSE COMPOSITION

1 hour. *Professor Counsell*

DEPARTMENT OF DIVINITY

Professors	S. B. Frost, *Dean* E. G. Jay G. Johnston W. C. Smith H. H. Walsh
Associate Professor	J. C. McLelland
Assistant Professor	J. A. Boorman
Lecturers	C. J. Adams D. D. Evans

Requirements for admission to the course leading to the degree of *Sanctæ Theologiæ Magister* (S.T.M.) are stated on page 2627. The usual rules and regulations of the Faculty will apply. In special instances, students may be accepted for courses leading to the degree of Ph.D. For regulations see p. 2627 and Divinity Announcement. In the field of Comparative Religion, the M.A. degree is also offered, for candidates who do not have the B.D. or its equivalent.

The staff offers each session a selection from the following list of courses, and is prepared to guide students in thesis research on approved topics, within any of the following fields: Old Testament language and literature; New Testament language and literature; Systematic Theology, including Christian Ethics; Philosophy and Psychology of Religion; Church History; and Comparative Religion. To each approved student appropriate courses will be assigned, on occasion including courses offered by other Departments such as Philosophy, History, Classics, or Islamic Studies. Graduate students in these Departments may be permitted or required to take courses currently offered in Divinity.

Adequate library facilities are available in Divinity Hall and elsewhere for the courses listed, and for research.

COURSES IN DIVINITY

61. THE DOCTRINE OF THE TRINITY
2 hours. *Professor Jay*

65. THE NATURE AND FUNCTION OF THE CHURCH
2 hours. *Professor Jay*

67. THE EMERGENCE OF DOCTRINE IN THE APOSTOLIC FATHERS *Professor Jay*

77. THE DOCTRINE OF THE HOLY SPIRIT IN THE NEW TESTAMENT
Professor Johnston

78. THE PASTORAL EPISTLES *Professor Johnston*

86. SOCIAL ETHICS AND CONTEMPORARY THOUGHT
Professor McLelland and Dr. Boorman

87. KEY PROBLEMS IN PHILOSOPHY OF RELIGION
Professor McLelland and Mr. Evans

90. INTRODUCTION TO CANADIAN CHURCH HISTORY. The origins of the various churches in Canada.
2 hours. *Professor Walsh*

91. PROBLEMS OF CHURCH AND STATE. A study of the relations of Church and State during the revolutionary period in France.
2 hours. *Professor Walsh*

93. THE SOCIAL TEACHINGS OF THE CHRISTIAN CHURCHES SINCE 1900
2 hours. *Professor Walsh*

94. SELECTED PSALMS (Hebrew and Greek Texts and Exegesis).
2 hours. *Professor Frost*

95. THE HISTORY OF THE HOUSE OF ZADOK
2 hours. *Professor Frost*

96. THE QUMRAN COMMUNITY
2 hours. *Professor Frost*

97. SYNCRETISM IN THE OLD TESTAMENT *Professor Frost*

98. TRADITION AND TRADITIONS IN CANADIAN CHURCH HISTORY
2 hours. *Professor Walsh*

COURSES IN COMPARATIVE RELIGION (given concurrently with courses in Divinity.)

101. THE CONCEPT OF "FAITH" IN ISLAM (The same course as Islamics 11, see page 2711).

103. PROBLEMS OF RELIGIOUS DIVERSITY. The multi-religiousness of mankind, considered as an intellectual, a moral, and a theological problem. A study of major endeavours to make coherent sense of the diverse phenomena: by the secular academic tradition (sociological theories, psychological theories, rationalist theories, etc.) and from the viewpoint of each of the major world faiths. Contemporary developments, in theory and in practice.

Note: This seminar will not be held unless members of at least two different religions participate.

2 hours. *Professor Smith and Dr. Adams*

105. CHRISTIANITY AND OTHER RELIGIONS. An historical survey of the relations of the Christian church with other religious communities and religious systems, in practice and in theory. Systematic study of the main types of Christian attitude to outsiders taken over the centuries. A more intensive critical study of recent Christian writing on this matter, and the emergence of new movements. The present-day search for an adequate theological position. The relation between the theological and the moral orientation.

2 hours. *Professor Smith*

The attention of students in Comparative Religion is drawn to further courses in Islamics offered by the Institute of Islamic Studies (see page 2709.

107. DEVELOPMENT OF THE HINDU RELIGIOUS TRADITION

2 hours. *Dr. Adams*

DEPARTMENT OF ECONOMICS AND POLITICAL SCIENCE

Professors	J. R. MALLORY, *Chairman*
	D. E. ARMSTRONG
	E. F. BEACH
	F. C. JAMES
	D. L. MACFARLANE
	H. D. WOODS
	D. McC. WRIGHT
Associate Professors	IRVING BRECHER
	MICHAEL BRECHER
	K. B. CALLARD
	J. T. CULLITON
	C. B. HAVER
	B. E. SUPPLE
	J. C. WELDON
Assistant Professors	A. ASIMAKOPULOS
	S. J. FRANKEL
	M. K. OLIVER
	SYLVIA OSTRY
	C. M. TAYLOR

GRADUATE COURSES

Candidates must satisfy the course requirements for the degree, as described below, by successfully passing the required number of graduate seminars. These seminars will normally meet for two hours each week throughout one term. Reading and preparation will require substantial additional time. In electing graduate courses the student is expected to concentrate wholly in either economics or political science.

In addition to such courses a graduate student may be required to take additional courses in order to prepare himself for the General Oral Examination or to meet the requirements of his individual programme. These additional courses will be drawn from the list of non-credit graduate courses and advanced undergraduate courses which are listed separately at the end of the list of credit courses. A detailed description of the undergraduate courses will be found in the calendar of the Faculty of Arts and Science.

Credit Courses in Economics

501. ECONOMIC HISTORY. An empirical study of the historical background to economic growth and change. Primary attention will be devoted to the initial stages of development, involving significant change in economic and social institutions. Britain, North America, Japan and Russia will be considered, together with other countries or aspects of growth on which students may wish to write papers.

Second term. *Professor Supple*

511. THEORY OF THE FIRM I. A specialized study of the theory of the process of the firm.

First term. *Professor Beach*

512. THEORY OF THE FIRM II. A study of the theory of the firm as adapting itself to, and cushioning itself from, often unforeseeable economic and technical change, cyclical movements, and social disturbance; also as initiating innovation.

Prerequisite: Economics 511. *Professor Wright*

513. WELFARE ECONOMICS. This course is intended for graduate students who have had a course in advanced theory and who, in particular, are well acquainted with modern demand theory. It is intended as a supplement to descriptive and analytical economics.

(*Not given in 1961-62.*)

521. ADVANCED MONETARY THEORY

Second term. *Professor Asimakopulos*

522. MACRO-ECONOMICS. Determinants of the general levels of income, employment, prices, production; economic fluctuations; economic trends; under-employment equilibrium and secular stagnation; conditions of economic progress; fiscal and monetary policies for maintaining full employment and preventing inflation.

First term. *Professor Wright*

523. THEORY OF ECONOMIC CHANGE. Methodological critique of modern, Keynesian, and classical theories of economic change and development, restatement of problems for analysis, analytical study of models involving population and technological changes in the economy as a whole and the cultural conditions accompanying them.

First term. *Professor Wright*

524. INTERNATIONAL ECONOMICS. Selected problems in the theory of international trade and foreign exchange.

Second term. *Professor Irving Brecher*

531. CANADA-UNITED STATES ECONOMIC RELATIONS. A study of key issues affecting economic relations between Canada and the United States. Among the topics analyzed will be foreign investment, the balance of payments, business fluctuations, and commercial and agricultural policies.

Second term. *Professor Irving Brecher*

532. TRANSPORTATION. A study of the economics of transportation; its relation to the general body of economic theory; government regulation with emphasis on factors that fashion it.

both terms. *Professor Culliton*

541. LABOUR ECONOMICS. Special problems in labour economics and industrial relations. For example: labour force, wage and employment theory, labour market theory; conflicting theories of the labour movement, the role of government, industrial relations research methodology.

Second term. *Professors Woods and Ostry*

561. ECONOMETRICS. The application of mathematics and statistics to the study of economics. An acquaintance with calculus and elementary statistics is assumed. *Professor Weldon*

(*Not given in 1961-62.*)

562. MATHEMATICAL ECONOMICS. Selected problems in economic theory treated mathematically. An acquaintance with elementary matrix theory is desirable but not essential.

Second term. *Professor Weldon*

581. AGRICULTURAL ECONOMICS. The nature of agricultural production; the economics of size in agriculture; intensity of production; the pricing mechanism for farm products; agriculture in world commerce, FAO, ITO; the role of agriculture in the Canadian economy; economic problems confronting the Canadian farm industry.

First term. *Professor Haver*

582. AGRICULTURAL POLICY. The nature and objectives of policy; use of economic analysis as a guide to formation and appraisal of agricultural policy; fallacies; the time dimension; reconciliation of conflicts; problems confronting agriculture—instability, inter-industry and interregional inequality, poverty and inefficiency; policies for achieving greater economic welfare and progress.

Second term. *Professor MacFarlane*

Non-credit and Qualifying Year Courses in Economics

510. A general review course in economic theory for students who, on admission, are felt to require further preparation in this field. Topics considered will include utility, demand, supply, market, general equilibrium, and macro theory.

First term. *Professor Beach*

211H. INTRODUCTION TO ECONOMIC THEORY *Professor Asimakopulos*

300. ECONOMIC HISTORY OF MODERN BRITAIN *Professor Supple*
(*Not given in 1961-62.*)

301. ECONOMIC HISTORY AND ECONOMIC DEVELOPMENT WITH SPECIAL REFERENCE TO NORTH AMERICA *Professor Supple*

311. HISTORY OF ECONOMIC THOUGHT *Professor I. Brecher*

321H. MONEY AND BANKING *Professor Weldon*

341. THEORY AND PRACTICE OF THE LABOUR MOVEMENT *Professor Woods*

342. LABOUR ECONOMICS *Professor Ostry*

361H. ECONOMIC STATISTICS *Professor Asimakopulos*

363. MATHEMATICAL ECONOMICS *Professor Beach*

373. CAPITALISM, SOCIALISM AND DEMOCRACY *Professor Wright*

411. ADVANCED ECONOMIC THEORY *Professors Beach and Wright*

421. PUBLIC FINANCE *Professor Armstrong*

422. ECONOMIC FLUCTUATIONS AND FISCAL POLICY *Professor I. Brecher*

424. INTERNATIONAL TRADE AND FINANCE *Dr. Pal*

432. TRANSPORTATION *Professor Culliton*

441. INDUSTRIAL RELATIONS *Professor Woods*

442. INDUSTRIAL RELATIONS SYSTEMS *Professor Woods*

Credit Courses in Political Science

515. POLITICAL THEORY. A seminar in contemporary political science, with reference also to political philosophy and to the psychological bases and sociological affiliations of politics.

Second term. *Professor Oliver*

Prerequisite: Political Science 311 or its equivalent.

525. POLITICAL INSTITUTIONS. A study of the problem of governments and politics in a selected area. *Professor Mallory*

544. INTERNATIONAL RELATIONS. A seminar on selected problems of international politics and organization.

Second term. *Professor Michael Brecher*

545. PUBLIC ADMINISTRATION. A problem of contemporary administrative interest will be selected for analysis. The exact topic will be announced later.

Second term. *Professor Callard*

546. REGIONAL PLANNING (ARCHITECTURE B). A seminar on the problems of regional planning, not for course credit.

Both terms. *The Inter-Departmental Committee on Regional Planning*

Non-credit and Qualifying Year Courses in Political Science

211H. COMPARATIVE GOVERNMENT *Professor Frankel*

311. HISTORY OF POLITICAL THEORY *Professor Oliver*

322. PARLIAMENTARY GOVERNMENT IN THE BRITISH COMMONWEALTH *Professor Mallory*

323. POLITICS AND GOVERNMENT IN ASIA *Professor M. Brecher*

325b. THE GOVERNMENT OF THE UNITED STATES *Professor Callard*

341. PUBLIC ADMINISTRATION *Professor Callard*
(*Not given in 1961-62*)

343a. MUNICIPAL GOVERNMENT *Mr. Plunkett*

344. INTERNATIONAL RELATIONS *Professor M. Brecher*

351. THE GOVERNMENT OF CANADA *Professor Mallory*

352. FRENCH CANADIAN POLITICS *Professor Oliver*

355a. POLITICAL PARTIES *Professor Frankel*

411. ADVANCED POLITICAL THEORY *Professor Oliver*

412. A STUDY OF BOLSHEVISM *Professor Frankel*

THE STAFF SEMINAR

The Staff Seminar of the Department of Economics and Political Science meets once each week during term to discuss papers presented by members of the staff and, occasionally, by visitors to the university. All graduate students are entitled to attend. The purpose of the Seminar is to enable staff and students to discuss informally topics of current research interest in the belief that such regular discussion will stimulate the research of staff and students alike.

RESEARCH AND BIBLIOGRAPHICAL TECHNIQUES

In preparation for work on their theses, students need to understand how to use research material available in the libraries and its preparation for inclusion in a thesis. The Department will arrange with the Redpath Library early in each session for short courses for graduate students in bibliographical and research techniques.

REQUIREMENTS FOR THE MASTER'S DEGREE

500. GENERAL ORAL EXAMINATION FOR THE M.A. IN ECONOMICS OR POLITICAL SCIENCE (See below).

Students who have obtained at least second class standing in the honours B.A. course in Economics and Political Science in McGill University, or who have completed at least three full courses in Agricultural Economics at Macdonald College and at least two full courses in Economics and Political Science at McGill, with at least second class standing, are eligible for admission to the M.A. course. Students who hold the B. Com. from McGill with at least second class standing over-all and in all the required courses in Economics are eligible for admission to the M.A. course. Students with equivalent qualifications from other approved institutions are also admissible. Since graduate work is normally undertaken in only one of the two subjects within the Department, i.e. Economics or Political Science, applicants may be admitted who have acceptable qualifications in either Economics or Political Science.

Candidates for the Master's degree follow a program approved on an individual basis by the Department. Such a program will include not less than two of the Seminars listed. In addition all candidates are required to prepare themselves, under the direction of a member of the Department, for a Comprehensive Oral Examination in three fields of study, one of which must be Political or Economic Theory. The results of these examinations will determine not only the candidate's qualifications for the Master's degree, but also if he may continue for doctoral study. A pass for the Master's degree does not necessarily imply permission to proceed for the doctorate.

Preparatory work for the Comprehensive Oral Examination. In preparing for the Oral Examination candidates will follow courses of reading or lectures which their directors of research may consider necessary in each individual case.

Optional Fields for the Comprehensive Oral Examinations:

Economic Theory; Economic History; Economic Policy; Econometrics; Money and Banking; Labour Economics, International Economics;

Agricultural Economics; Economics of Transportation; Political Theory; Comparative Government; American Government; British Commonwealth Governments; Canadian Government; Public Administration; International Politics.

A Thesis on an approved subject is required.

REQUIREMENTS FOR THE Ph.D. DEGREE

600. GENERAL ORAL EXAMINATIONS FOR THE PH.D. IN ECONOMICS OR POLITICAL SCIENCE (See below).

Students who have achieved high standing in the M.A. in Economics, or Political Science, or the M.Com. at McGill University, or have equivalent qualifications, may be permitted to proceed to the Ph.D. in two further years, one of which may be spent at an approved institution elsewhere. Candidates for the Ph.D. degree follow a program approved on an individual basis by the Department. Such a program will include not less than three of the Seminars listed above (Seminars already completed for the M.A. may be accepted in partial fulfilment of this requirement).

All candidates for the Ph.D. must pass a comprehensive oral examination in three fields of study, one of which must be Political or Economic Theory. The examination must be offered from among the fields of study enumerated under *Requirements for the Master's Degree*, and is set at a higher standard than that required for the Master's degree.

All doctoral candidates must pass an examination in unseen translation from authors in two modern languages other than English. French-speaking candidates may translate into French, but in that case one of the languages from which they translate must be English. A Thesis on an approved subject is required.

McGill University is now prepared to offer instruction at the Master's level in all the usual branches of Economics and Political Science. For the Ph.D., however, McGill is prepared to accept candidates only in the following branches: Economic Theory, Economic History, Public Finance, Fiscal and Monetary Policy; Banking; International Trade; Employment Theory; Labour Economics, including wage theory and policy; Regional Economics and Economic Geography; Agricultural Economics; Political Theory; Comparative Government; Canadian Government and Constitution; Commonwealth Governments and Commonwealth Relations; International Relations.

GRADUATE PROGRAMMES IN CO-OPERATION WITH OTHER DEPARTMENTS

The general requirements of the Department for the Master's degree, viz. the Comprehensive Oral Examination (including the required subject

in political or economic theory), the two required Seminars, and the Thesis, must be met by all candidates. The two following programmes for candidates with specialized interests are offered in co-operation with other Departments in the Faculty of Graduate Studies. Programmes can also be arranged in co-operation with the Institute of Islamic Studies.

1. COMMUNITY PLANNING

An inter-departmental Committee of the Faculty of Graduate Studies offers a programme of graduate training for those wishing to specialize in Community Planning. The Committee represents the Departments of Architecture, Engineering, Geography, Sociology, and Economics and Political Science. Specialized instruction in the form of a Graduate Seminar, Courses of Instruction, and Laboratory Work is offered by qualified members of the Departments concerned. Candidates are required to meet the degree requirements of the departments in which they are registered. Students in Economics and Political Science will offer the Seminar in Community Planning (listed as Course No. 546 above) as one of the required Seminars for the degree, and will write a thesis on a topic related to Community Planning.

2. INTERNATIONAL RELATIONS

Candidates wishing to specialize in International Relations will be expected to meet the normal degree requirements of the Department, while offering International Politics and Organizations as one of the fields for the Comprehensive Examination, and writing a thesis on an approved topic in international relations. Supplementary courses of interest to students in International Relations may be found in the Department of History, Faculty of Law, and Department of Geography, and in the Institute of Islamic Studies. Students who require them may take such courses, with the consent of the department concerned. Where appropriate Graduate Seminars are offered, as in the Faculty of Law or in Islamic Studies, they may, with the consent of the department or faculty concerned and the Department of Economics and Political Science, be offered in fulfilment of the Seminars required in Economics or Political Science.

3. ISLAMIC STUDIES

Students may, with the approval of the Department and of the Institute of Islamic Studies, take certain courses offered in Islamic Studies as part of a programme emphasizing the problems of the Islamic World. Students will be required to meet the normal degree requirements of the Department, together with appropriate courses in Islamic Studies, and write their theses on problems in some area of economics or political

science relevant to Islamic studies. In certain cases a graduate seminar in Islamic Studies may be substituted for one of the seminars required to be taken in the Department. In general, the above programme may be permitted for students in Political Science whose main field of study is Comparative Government, International Relations, or Political Theory, and students in Economics whose main field is either the Theory of Economic Development or Economic History.

NOTE FOR CANDIDATES FROM THE UNITED STATES OR ABROAD

Candidates from the United States or elsewhere are advised that a Canadian honours degree in Economics and Political Science ordinarily comprises a reasonable acquaintance with the theoretic literature in both fields, a knowledge of the development of the science, and some degree of specialization in one field or the other.

DEPARTMENT OF EDUCATION

Professors REGINALD EDWARDS, *Chairman*
Staff of the Institute of Education

The course leading to the degree of Master of Arts is intended to encourage teachers who have completed the basic academic and professional training to proceed with further graduate studies. Many will wish to develop and perfect the teaching procedures in certain subject areas so that they may improve their technical skill; others will wish to deepen their knowledge of the historical and philosophical foundations of education; some will be interested in specialized studies in psychology and sociology; administrative and supervisory officers will benefit from research in school organization and procedure. In addition to those who enter the course from professional interest, there may also be some who wish to study the relationship of education to other disciplines and aspects of public administration. For students in all these categories the course provides unusual opportunities for advanced study.

The course is planned so as to give the student a broad survey of educational thought, experience in specialized and statistical studies, familiarity with recent research and present practice and an understanding of educational administration in Canada.

ENTRANCE REQUIREMENTS

First Class Diploma, or the equivalent B.Ed. degree, with at least second class standing.

Candidates entering with degrees other than the B.Ed. (McGill) must present a degree from an approved university with second class standing

in at least one continuation subject. To meet the requirement for entrance they may take the following courses in a qualifying summer or winter session:

Education 600—Educational Measurement (Education 310 or 501)

Education 601—Studies in Educational Thought (Education 400 or 500)

Candidates from other universities may also be permitted to qualify by writing a comprehensive examination in Educational Theory and Practice.

PROGRAMME OF THE COURSE

The course begins with a Summer Session in July which is followed by a Winter Session of part or full-time study and a second Summer Session. It may be completed in a minimum of fifteen months.

FIRST SUMMER SESSION

Education 610—Modern Educational Practice

Education 611—Methods of Educational Study and Research

WINTER SESSION

Education 620—Studies in Comparative Education

Education 621—Thesis Preparation

SECOND SUMMER SESSION

Either

Education 630a—Modern Studies in Educational Psychology

or

Education 630b—Recent Development in Educational Guidance

Education 631—The Administration of Education in Canada

During the Winter Session the student will choose one of the following areas of concentration:

1. Methods of Teaching a Special Subject
2. History and Philosophy of Education
3. Education Psychology and Sociology
4. Educational Administration
5. Educational Guidance

Seminars will be held in each of these subjects and each candidate will begin his research project and the preparation of the thesis under the director of research in his special area of study. He will meet his director of research regularly until the research is completed. Seminars will also be held in Comparative Education.

REGISTRATION AND FEES

For the Summer Session candidates register and pay their fees at Macdonald College; for the Winter Session they register at the Registrar's Office and pay their fees at the Accounting Office, McGill University. Tuition fees for the three sessions are as follows:

First Summer Session	$200
Winter Session	$150
Second Summer Session	$150

In addition sessional registration forms must be submitted to the Dean of the Graduate Faculty, through the Director of the Institute of Education, not later than July 2nd for the Summer Session and not later than September 21st for the Winter Session.

GENERAL INFORMATION

The Summer Sessions will be conducted at Macdonald College where residential accommodation is available for both men and women students. The Summer Session in 1961 will open on Monday, July 3rd, and continue for five weeks with lectures on six days each week.

DIPLOMA OF GRADUATE STUDY IN EDUCATION

This diploma is offered for those who wish to qualify for administrative or supervisory positions in the educational system, but do not wish to submit the thesis required for the Master of Arts degree.

The entrance requirements and admission procedures are the same as those for the M.A. degree (above), save that candidates must have had approved teaching experience.

The programme of the course is similar to that for the M.A. degree above. In the Winter Session, however, the course Education 621 Thesis preparation will be replaced by Education 622 Case Studies in Administration.

The course may be completed in a minimum of fifteen months.

DEPARTMENT OF ELECTRICAL ENGINEERING

Professors	G. L. D'OMBRAIN, *Chairman*
	F. S. HOWES
Associate Professors	T. H. BARTON
	G. W. FARNELL
	T. J. F. PAVLASEK
	W. H. SCHIPPEL
Assistant Professors	E. ADLER
	R. P. COMSA

Advanced courses of instruction and laboratory facilities are available for engineering graduate students desiring to proceed to the degrees of M.Eng. and Ph.D. Similar courses are provided for physics graduates leading to the M.Sc. and Ph.D. in Electrical Communications. No registration for a Ph.D. will be considered unless the applicant has a Master's degree acceptable to the Department. All other candidates for a Ph.D. will be required to register first for a Master's degree. The candidate's work will be reviewed by the Department at the end of the first year of resident study, and the Department may then recommend that the registration be changed to a Ph.D.

The Department is adequately equipped for research in the field of electrical engineering and has special facilities in the following areas: power modulators, electronics, surge generation, acoustics, control engineering, microwave techniques.

GENERAL REQUIREMENTS

The requirements concerning admission and registration are detailed at the beginning of the Calendar. In general, candidates have to satisfy course requirements, submit a thesis and satisfy the examiners at an oral examination.

The required courses are chosen by the Department to further the proposed work of the candidate.

ADVANCED DIPLOMA IN ENGINEERING

For engineers whose undergraduate record would permit their registration for a Master's degree, but whose circumstances do not allow them to fulfil the thesis requirements, there is available an advanced Diploma in Electrical Engineering. The granting of the Diploma is dependent on the satisfactory completion of an integrated programme of five courses selected by the Department and given in the evenings under the auspices of the Department of University Extension. An average corresponding to a good second class standing must be obtained in the five courses. Only one supplemental examination is allowed and this must be passed at the 85% level. Application should be made to the Faculty of Graduate Studies and Research for admission and the award of the diploma after the courses have been completed with satisfactory standing, through the Extension Department.

COURSES

G401. ANALYSIS OF POWER SYSTEM STABILITY — *Professor Schippel*

G402. ELECTRIC MACHINE DESIGN — *Professor Schippel*

G403. FEEDBACK CONTROL SYSTEMS — *Professor d'Ombrain*

G404. UNIFIED THEORY OF ELECTRIC MACHINES	*Professor Barton*
G406. ELECTRICAL POWER TRANSMISSION AND DISTRIBUTION	*Professor Schippel*
G407. POWER MODULATORS	*Professor Barton*
G411. APPLIED MATHEMATICS	*Professor Wallace (Dept. of Mathematics)*
G412. OPERATIONAL CALCULUS AND MATRIX ALGEBRA	*Professor Rosenthall (Dept. of Mathematics)*
G413. COMPLEX VARIABLE WITH ENGINEERING APPLICATIONS	*Professor Rosenthall (Dept. of Mathematics)*
G414. RADIATION THEORY AND ANTENNAS	———
G415. ENGINEERING ACOUSTICS	*Professor Howes*
G416. MICROWAVE THEORY AND TECHNIQUES	*Professor Pavlasek*
G417. NETWORK ANALYSIS	*Professor Pavlasek*
G418. TRANSIENT ANALYSIS AND PULSE TECHNIQUES	*Professor Farnell*
G419. TRANSISTOR ELECTRONICS	*Professor Farnell*
G420. MATHEMATICS FOR DIGITAL COMPUTERS	*Professor Thorpe (Computation Centre)*
G421. PRINCIPLES OF SERVOMECHANISMS	———
G423. DIGITAL AND ANALOG COMPUTERS	———
G424. GRADUATE SEMINAR	———

and the following half courses:

G440. ELECTRICAL MACHINE DESIGN	*Professor Schippel*
G441. RADIO ENGINEERING DESIGN	*Professor Howes*
G442. CONTROL ENGINEERING DESIGN	*Professor d'Ombrain*
G443. ELECTRO-MAGNETIC THEORY	*Professor Pavlasek*
G444. NUMERICAL ANALYSIS	*Professor Thorpe (Computation Center)*
G445. MATHEMATICAL MACHINE METHODS	*Professor Thorpe (Computation Center)*
G446. INTRODUCTION TO PROBABILITY AND STATISTICS	*Dr. I. Gutman (Dept. of Mathematics)*
G447. ELECTRICAL POWER SYSTEM ANALYSIS	*Professor Schippel*
G448. POWER MODULATORS FOR CONTROL SYSTEMS	*Professor Barton*
G449. INFORMATION THEORY	*Dr. Joffe (Dept. of Mathematics)*

Not all of the above courses are offered every session.

DEPARTMENT OF ENGLISH

Professors	RALPH S. WALKER, *Chairman*
	H. G. FILES
	JOYCE HEMLOW
Associate Professors	ALEC LUCAS
	HUGH MACLENNAN
	ARCHIBALD MALLOCH
Assistant Professors	CONSTANCE BERESFORD-HOWE
	CURTIS D. CECIL
	LOUIS DUDEK
	ALAN HEUSER
	SLAVA KLIMA
	IRVING J. MASSEY
	MARTIN PUHVEL
	GORDON F. SLEIGH

UNDERGRADUATE PREREQUISITES

Applicants for admission to the Faculty as candidates for the M.A. degree, in addition to holding the B.A. degree, must normally have obtained first or second class Honours in English at McGill University, or the equivalent elsewhere. An undergraduate candidate for Honours in English at McGill must take, in the 2nd, 3rd, and 4th years, a total of ten courses, including Half Courses 305a or 305b (Chaucer) and 315b (16th century), and Courses 200 or 324 (Shakespeare), 320 (17th century), 220 (18th century), 230 or 322a and 322b (19th century), and 340 (20th century). The remaining four courses chosen from those approved by the Department as Honours courses or Cognate courses.

Applicants for admission who in the opinion of the Department lack the equivalent of this training may be permitted by the Dean and the Department to take a qualifying year, provided that it is possible for them to make up the required qualifications by taking not more than five Honours courses in this qualifying year. For particulars of the prerequisite courses, see the Announcement of the Faculty of Arts and Science.

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

Candidates for the degree of M.A. in English must take three courses (two half courses counting as one full course) from the list given below, and in addition the Half Course in Bibliography (500a), if the undergraduate Half Course in Bibliography (380a), or its equivalent, has not already been passed. The Course in Old English (504) must be included as one of the three required courses, if the undergraduate Course in Old English (300), or its equivalent, has not already been passed. A

thesis on some subject approved by the Department must be written under the supervision of a Director appointed by the Department. Suitably qualified candidates may obtain permission to substitute a project in creative writing, such as a novel, for the thesis. Every student, after presenting his thesis, must be prepared, if so required by the Department, to submit to an examination, oral or written on its subject matter or background.

Students registered for courses or half courses listed below will meet their instructors twice or three times a week at the instructors' direction. *As some of the courses and half courses may not be available every year, it will be necessary for every M.A. degree candidate to consult the Department before making his choice from among them.*

REQUIREMENTS FOR THE PH.D. DEGREE

The programme consists of a minimum of three years' work. A candidate will normally satisfy the requirements of the first year by obtaining a Master's degree in English at McGill (or an equivalent qualification elsewhere) and by passing a comprehensive examination.

Three graduate courses must be taken beyond the Master's degree, including a course in Middle English if this requirement has not already been met.

All candidates must pass reading examinations in Latin and either French or German. In special cases another language may be substituted for French or German.

At the completion of courses there will be an examination on the whole field of English Literature which, if necessary, may be attempted once more at the next sitting.

Candidates may be permitted to spend a year, for purposes of research, at an approved institution elsewhere.

Each candidate must submit a thesis on a subject falling within one of the approved fields of study (a list of which may be obtained on application to the Dean of Graduate Studies) and defend it at a specially convened oral examination.

COURSES FOR GRADUATES

500a. BIBLIOGRAPHY (Half course). An introduction to the apparatus and methods of scholarship in literary studies.
First term.

Professor Malloch

502. LITERARY CRITICISM (Full course). The nature of literature and literary criticism; the great critics and the critical thought of the West from the beginnings in Greek criticism (with special emphasis on Plato, Aristotle, and Longinus) through the Renaissance to the present time.

Professor Massey

504. OLD ENGLISH (Full course). English Language and Literature up to the Norman Conquest. The course includes readings from Anglo-Saxon prose in the first term, and, in the second, a study of heroic poetry. The texts used are: Bright, *Anglo-Saxon Reader* and *Beowulf* (ed. Klaeber). *Professor Puhvel*

505a. INTRODUCTION TO MIDDLE ENGLISH (Half course). A study of representative Middle English texts, all included in Brandl and Zippel, *Middle English Literature.* The historical development of Middle English and the distinctive features of the dialects are noted.

First term. *Professor Puhvel*

506b. MIDDLE ENGLISH LITERATURE (Half course). *Gawain and the Green Knight* (ed. Tolkien and Gordon) and *The Pearl* (ed. Gordon): a study of the texts and their literary background. Students who have not taken English 505a may not take this course except by special permission.

Second term. *Professor Puhvel*

507b. THE ARTHURIAN LEGEND (Half course). Studies in the origin and development of the Arthurian legend, and representative reading in Arthurian literature. Writers such as Geoffrey of Monmouth, Chrestien de Troyes, and Marie de France are studied in translation.

Second term. *Professor Puhvel*

508b. CHAUCER (Half course). A study of the *Romaunt of the Rose*, the dream-vision poems, and *Troilus and Criseyde*, with a historical survey of the development and variations of the Troilus story.

Second term. *Professor Hemlow*

512a. MARLOWE (Half course). A study of Marlowe's work in relation to the work of Peele, Greene, and Kyd, and of its possible influence on Shakespeare; with particular attention to *Dr. Faustus* and the critical problems connected with it.

First term. *Professor Cecil*

514a. SPENSER (Half course). The Renaissance theory of poetry and a study of *The Faerie Queene* in relation to its historical, philosophical, social, and literary backgrounds; with supplementary reading illustrative of the literary and intellectual climate of the Renaissance.

First term. *Professor Hemlow*

516a. SHAKESPEARE (Half course). A study of *Hamlet*, its principal sources and main textual and interpretative problems; with prescribed reading from critical literature dealing with various aspects of the play.

First term. *Professor Walker*

518b. BEN JONSON (Half course). A study of Jonson's work as a whole, dramatic, lyrical, and critical, with prescribed reading from the plays, poems, and masques, the *Discoveries* and *Conversations*, and from relevant critical literature.

Second term. *Professor Walker*

522b MILTON (Half course). A study of *Paradise Lost*, *Paradise Regained*, and *Samson Agonistes*, and of the bearing of the earlier works on these major poems, with prescribed reading from the critical literature.

Second term. *Professor Malloch*

524a. THE COMEDY OF MANNERS (Half course). Representative plays by Etherege, Wycherley, Congreve, and Farquhar, with a detailed study of *The Man of Mode*, *The Country Wife* and *The Way of the World*.

First term. *Professor Cecil*

526a. POPE AND SWIFT (Half course). A study of the satirical writings of Pope and Swift, with reference to the thought and literary traditions of the Augustan age.

First term. *Professor Klima*

528b. JOHNSON AND HIS CIRCLE (Half course). A study of the principal works of Dr. Johnson and of the literary and critical climate of his age, as revealed in the writings of Garrick, Reynolds, Burke, Boswell, the Burneys, and Mrs. Thrale.

Second term. *Professor Hemlow*

530a. WORDSWORTH AND COLERIDGE (Half course). A study of *The Prelude* and *The Excursion* and of their relationship both to Wordsworth's earlier poetry and to Coleridge's poetical theory and practice.

First term. *Professor Lucas*

532b. ARNOLD (Half course). A selective study of the principal works, of the distinctive characteristics of Arnold's poetry, and of the religious and intellectual tendencies reflected in his writing.

Second term. *Professor Lucas*

533a. THE VICTORIAN NOVEL. Studies in Dickens, George Eliot and Hardy.

First term. *Professor Lucas*

534a. HAWTHORNE, MELVILLE AND JAMES (Half course). A comparative study in the growth of an American tradition of novel-writing and in the development of its technical resources.

First term. *Professor Files*

536b. HOPKINS, YEATS AND ELIOT (Half course).

Second term. *Professor Heuser*

540. CROSS-CURRENTS BETWEEN ENGLISH LITERATURE AND THE EUROPEAN LITERATURES IN THE 18TH CENTURY (Full course). The influence of continental literature and criticism on the English neo-classicism of the 18th century and the influence of English literature and criticism on European writers from the time of Voltaire to the rise of Byronism. Reference is made to the works of French, German, and Italian writers. A reading knowledge of French is a prerequisite.

Professor Klima

542. EUROPEAN HUMANISM AND ENGLISH LITERATURE IN THE 20TH CENTURY (Full course). The texts are available in English translation, but a reading knowledge of French or German is a prerequisite.

Professor Klima

ENTOMOLOGY

(Department of Entomology & Plant Pathology, Macdonald College*)

Professors	D. K. McE. KEVAN, *Chairman* E. M. DUPORTE (*Post-retirement*)
Associate Professors	R. S. BIGELOW F. O. MORRISON
Assistant Professor	J. E. MCFARLANE
Research Associates	N. R. FRASER A. A. ABDEL-MALEK

A liberal interpretation is put on the term Entomology. Adequate laboratory and library facilities are available for the courses listed below and for research. Students may be recommended to take courses offered by the Department of Zoology and in Plant Pathology, either as part of their major work or as cognate subjects.

The courses consist of informal lectures, directed reading, laboratory work, special assignments, colloquia and discussions. Field work where appropriate or practicable may also be required. Formal lectures may be given from time to time and excursions arranged to places of interest. All members of the graduate school, while resident at Macdonald College, are expected to take an active part in all departmental seminars and themselves to address at least one seminar meeting.

*For Plant Pathology, see p. 2761.

COURSES FOR HIGHER DEGREES

60. ADVANCED INSECT MORPHOLOGY
Full course. *Professor DuPorte*

61. ADVANCED TAXONOMY
Full course. *Professor Bigelow*
In addition to general taxonomy and taxonomic theory, this course includes the special study of a selected group of insects.

62. ADVANCED INSECT PHYSIOLOGY
Full course. *Professor McFarlane*

63. ADVANCED TERRESTRIAL ECOLOGY
(i) General insect ecology and population dynamics (half course). *Professor Morrison or Professor McFarlane*
(ii) Soil Zoology (half course). *Professor Kevan*
Parts (i) and (ii) may be reversed in order or given concurrently, according to circumstances. Special permission may be given to take one part only, either as a half course or, in an extended form, as a full course (see also 64).

64. ADVANCED ECONOMIC ENTOMOLOGY
Full course. *Professor Morrison*
Under certain circumstances 63, Part (i) may be substituted for part of this course.

65. VETERINARY AND MEDICAL ENTOMOLOGY
Full or half course. *Professor Kevan*
Given only by special arrangement.

67. SEMINAR
One meeting weekly. *Professor Bigelow and Staff*

68. BIBLIOGRAPHY OF ENTOMOLOGY
Short course, 1st or 2nd term. *Professor DuPorte*

M.Sc. REQUIREMENTS

Candidates for admission must have had (1) satisfactory previous training in mathematics, physics, chemistry and biology; and (2) have obtained at least second class standing in the undergraduate courses in Entomology given at Macdonald College, or their equivalent. For students who satisfy these conditions the minimum period of study is one year, for others two years, one of which may be a qualifying year in which advanced undergraduate courses are usually taken.

In addition to presenting a thesis the student shall take such courses and write such examinations as are deemed necessary by the chairman of the department in consultation with the director of the candidate's research. Normally this amounts to a minimum of two full courses (or their equivalent) in addition to Entomology 68 and the seminar.

The candidate will normally be expected to spend at least one summer season in full-time research at Macdonald College or, under suitable direction, at some other approved institution.

Ph.D. REQUIREMEMTS

Students who have obtained a high standing in the M.Sc. in Entomology at McGill University or its equivalent (including M.Sc. in Zoology, with a sound entomological background), may proceed to the Ph.D. degree in two additional years. Under certain circumstances students holding a B.Sc. degree of high standing may register directly for the Ph.D. with the consent of the Chairman of the Department, but before being allowed to enter second year, such students must pass an examination to determine their fitness to proceed.

In addition to presenting a thesis the candidate may be required to take such courses and pass such examinations as are decided upon in consultation with the chairman of the department and the director of his research. Normally no course work (other than Seminar) will be required during the final year and not usually more than one full course (or its equivalent) during the preceding year for candidates already possessing an M.Sc. of McGill University or its equivalent. Candidates may, however, be advised to attend courses bearing on their research work at any time during their period of resident study.

Participation in seminars will be taken into consideration in the final assessment of the candidate.

Ph.D. candidates may be permitted to spend one of their three years of full-time graduate study at an approved university or research institution other than McGill University. The candidate may be required to spend the equivalent of two summer seasons in full-time research at Macdonald College or, under suitable direction, at some other approved institution.

Candidates for M.Sc. or Ph.D. degrees should indicate their fields of special interest before making formal application for admission. Facilities are available for research in most branches of entomology and in related fields, but candidates with special problems should consult the chairman of the department in advance.

DEPARTMENT OF EXPERIMENTAL MEDICINE

Professors — Ronald V. Christie, *Chairman*; D. G. Cameron

Associate Professors — John C. Beck; E. H. Bensley; M. M. Hoffman; Bram Rose; S. Solomon; Eleanor H. Venning

Assistant Professors — L. G. Johnson; K. R. Mackenzie; M. Richter

COURSES FOR THE DEGREE OF M.Sc. or Ph.D.

61. SEMINAR. 1 hour weekly throughout the session (to be registered for as Investigative Medicine 61).

62. ADVANCED ENDOCRINOLOGY—STEROID HORMONES (to be registered for as Investigative Medicine 62).
2 hours weekly throughout the session.

63. ADVANCED ENDOCRINOLOGY—NITROGEN CONTAINING HORMONES (to be registered for as Investigative Medicine 63).
2 hours weekly throughout the session.
Courses 62 and 63 are given in alternate years.
Course 63 will be given in 1961-62.

64. CLINICAL ENDOCRINOLOGY (to be registered for as Investigative Medicine 64). 1 hour weekly throughout the session.

65. PHYSIOPATHOLOGY. 1 hour weekly throughout the session.

66. PRINCIPLES AND METHODS OF CLINICAL INVESTIGATION (to be registered for as Investigative Medicine 66).

67. SEMINAR—Cardiorespiratory Physiopathology. 1 hour weekly.

68. IMMUNOPATHOLOGY. 1 hour weekly throughout the session.

GENERAL STATEMENT

The Department offers courses leading to the degrees of M.Sc. and Ph.D. in the Faculty of Graduate Studies and Research and provides research facilities for these students or for other persons proceeding to graduate degrees, diplomas or for other qualified individuals.

The courses and the direction of research in this department are given in close collaboration with the Department of Investigative Medicine and members of either department give lectures and direct the research of graduate students registered in the other.

Students may work either in the University Clinic Montreal General Hospital, University Clinic Royal Victoria Hospital or in the Department of Investigative Medicine depending on the type of work done (clinical or laboratory) or upon the individual directing the research.

Work in the Division of Immuno-chemistry and Allergy, University Clinic, Royal Victoria Hospital which is under the direction of Dr. Bram Rose and Dr. Maxwell Richter is directed towards the isolation and characterization of antigens and antibodies and the consequences of their interaction. These include not only systems relative to the common forms of allergy, but also those which may be involved in auto-immune diseases. In addition to adequate ordinary laboratory facilities, special equipment is available for the study of antibody-antigen interactions by immunochemical, histopathological and physico-chemical methods, such as zone and free electrophoresis, preparative and analytical ultracentrifugation, fluorescein and isotope tagging. These techniques are also used for the identification of abnormal moieties present in sera from patients suffering from various diseases. The laboratory and clinical findings are presented at weekly discussions. In view of the complex nature of the problems and the diversified methods used, students from clinical as well as the basic science departments may pursue their graduate work in this Division. The course work and the research programme of each student are decided in consultation with the department in which he is registered for the M.Sc. or Ph.D. degree.

Students holding either the M.D. or the B.Sc. degree or its equivalent may enter the department provided that their standing is acceptable.

DEPARTMENT OF EXPERIMENTAL SURGERY

Professor	H. R. ROBERTSON, *Chairman*
Director of Laboratory	D. R. WEBSTER
Assistant Professor	S. C. SKORYNA

COURSES FOR THE DEGREE OF M.Sc.

61. SEMINAR. Physiopathological principles in surgery. 1 hour weekly.

62. SURGICAL ANATOMY. 1 hour weekly and demonstrations in anatomy laboratory to undergraduate medical students or an equivalent course in another basic science department.

63. SURGICAL PHYSIOLOGY, SURGICAL PATHOLOGY AND CLINICAL SURGERY. 2 hours weekly.

64. MEDICAL STATISTICS. 1 hour weekly.

GENERAL STATEMENT

The Department offers courses leading to the degree of M.Sc. in the Faculty of Graduate Studies and Research and provides facilities for graduate research in surgery. Arrangements may be made for students wishing to proceed to a Ph.D. degree.

A candidate for the degree of Master of Science in Surgery must possess an M.D. degree together with a better than average academic record. His previous interest and experience in investigative work is taken into consideration in the selection of such a candidate. The major part of the student's time shall be devoted to research in some special field of investigative work. A thesis covering this subject, judged chiefly upon its original quality, shall be the prime requisite for his degree.

In addition the student shall be required to attend certain courses of graduate instruction in the basic sciences. These courses are being given in co-operation with the Departments of Physiology and Pathology and the staff of the Teaching Hospitals of the University. Candidates are required to take comprehensive examinations in Experimental Surgery and Surgical Anatomy.

For the purpose of assisting the student's research, conferences are held frequently within the Department and a Surgical Journal Club is conducted weekly. The main research interests of the Department are at present: experimental carcinogenesis, cardiovascular surgery, gastroenterology, haemorrhagic shock and the effects of thermal injury. In addition, several research projects are conducted in surgical specialties and consideration will be given the particular interests of the candidate in the selection of the field of research.

DEPARTMENT OF FRENCH

Professor	J. E. L. Launay, *Chairman*
Associate Professors	Mme P. L. Larivière
	Mlle M. Th. Reverchon
Assistant Professors	Mlle Yvonne Champigneul
	André A. Rigault
Lecturer	Guy Mentha

COURSES FOR THE DEGREE OF MASTER OF ARTS

60. LA FONTAINE
1 hour. *Professor Champigneul*

61. LA CRITIQUE LITTÉRAIRE (Histoire et Méthodes)
2 hours. *Professor Launay*

62. PASCAL
1 hour. *Professor Larivière*

63. EXERCICES PRATIQUES (Colloquia)
1 hour. *Staff*

64. DIDEROT
1 hour. *Dr. Mentha*

65. COURS DE TRADUCTION AVANCÉE
2 hours. *Professor Reverchon*

*350. THE FRENCH NOVEL FROM 1600 TO 1914 (Full course).
3 hours. *Professor Launay*

*370. FRENCH STYLISTICS (Full course).
3 hours. *Dr. Mentha*

*450. FRENCH LYRICAL POETRY FROM THE MIDDLE AGES TO THE PRESENT DAY (Full course).
3 hours. *Professor Larivière*

*475. EVOLUTION AND STRUCTURE OF THE FRENCH LANGUAGE (Half course).
2 hours throughout the Session. *Professor Rigault*

*485. THE PHONETICS OF FRENCH (Half course).
One lecture and one laboratory period per week throughout the Session.
Professor Rigault

Candidates for the Master's degree in French will take courses 60, 61, 62, 64, 65, and one course in the Department of English selected in consultation with the Chairman of the French Department.

The M.A. thesis must be written in French.

Students cannot normally obtain an M.A. in less than two years (one year for prerequisite courses, one year for research and writing of thesis). Students from other Provinces and States where the opportunities of speaking French are small may be required to take a Qualifying Year of studies before they are accepted by the Faculty as Graduate Students. During this Qualifying Year students are required to take at least two full undergraduate honours courses (which they must pass with second-class standing) and such other subsidiary courses (phonetics and translation) as the Department may direct. In certain cases students accepted for the Qualifying Year only may be advanced to full graduate standing at the end of the first term of the winter session if they have shown sufficient promise and ability in their first three months of work.

*These are also Honours Courses in the Faculty of Arts and Science.

Students from other universities applying for admission to the Graduate Faculty as French specialists must hold a B.A. degree with at least good second-class standing in French, or the equivalent. This must include an ability to speak French fluently, and a sound knowledge of French literature from 1600 to 1940. Whenever possible an interview will be arranged prior to admission to graduate standing.

REGULATIONS FOR THE MASTER OF ARTS DEGREE TAKEN IN THE FRENCH SUMMER SCHOOL

1. All work carried on towards an M.A. degree in the French Summer School is under the control and supervision of the Department of French in the Faculty of Graduate Studies of the University.

2. Requirements for the Master's degree:

(a) The student must hold the degree of B.A. from McGill University or from another institution of recognized standing, with at least second class honours in French, or the equivalent of second class honours in French as granted by McGill University—which must include an ability to speak French fluently, and a sound knowledge of French literature from 1600 to 1940.

(b) A student qualified as in 2 (a), must complete four sessions in the Advanced Section of the French Summer School with at least second class standing in the final examinations of each session.

(c) The student must prepare and present a thesis, written in French, which must be in some measure a contribution to knowledge. Its preparation is carried out under the direction of the French Department.

3. Students applying for admission to the Advanced Section of the Summer School, with the intention of proceeding towards the M.A. degree, should, as soon as possible, have a transcript of their academic record sent for appraisal to the Director of the School.

Students whose record is considered the equivalent of the B.A. degree with at least second class honours in French as granted by McGill University will be notified of their eligibility for future admission to the Faculty of Graduate Studies of the University. *At the end of their second session they will apply for admission to the Faculty as candidates for the M.A. degree, provided they have completed the course requirements for the first two sessions, but they will not register in the Graduate Faculty until the end of the fourth session; they must then register with the Dean as non-resident students, pending completion of the required thesis.* (See also Section 18 of the General Faculty regulations, page 2619.)

Students who hold a B.A. degree but whose record is not considered the equivalent of the McGill B.A. with at least second class honours in French, may be allowed to make up the deficiency by taking more courses during their third and fourth summer sessions. They will also be admitted to the Graduate Faculty at the end of the second summer session, provided that they have obtained at least a high second class standing in the courses of the first two summer sessions.

4. In the case of students of honours standing, the first summer session consists of five courses, the second of four courses, the third of three courses, and the fourth of two courses, each course consisting of three lectures per week. The decreasing number of courses through the four sessions enables the student to devote more time to the preparation of his thesis, which must begin in the third session at latest. Each student works under the guidance of a director of research who is a member of the French Summer School staff. The only listed course which may be taken for credit in more than one session is No. 31 Advanced Composition (see below).

Students may be required to take certain courses which are changed from year to year, and in any case:

30(a) and 30(b). FRENCH STYLISTICS. Students are advised to take this course during their second and third sessions.

31. ADVANCED COMPOSITION. A minimum mark of 65% must be obtained in the final examination of this course, irrespective of the final average for the set of courses taken during the session. The course must be repeated until this requirement has been met. As its material is varied each year, it can be taken a second summer for credit. If taken more than twice, it must then be carried as an extra course.

5. With the approval of the Graduate Faculty, one of the summer sessions, except the first, may be replaced by equivalent work in France or at another French Summer School.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates for this degree will not be accepted until further notice.

DEPARTMENT OF GENETICS

In Montreal

Professors	J. W. BOYES, *Chairman*
	F. C. FRASER
Associate Professor	E. R. BOOTHROYD

Assistant Professor and Research Fellow	J. D. METRAKOS
Assistant Professor	A. F. NAYLOR
Research Fellow	K. METRAKOS
Lecturer and Research Associate	E. KÄFER-BOOTHROYD
Research Associate	D. G. TRASLER

At Macdonald College

Associate Professors	R. I. BRAWN
	W. F. GRANT

Students in the following categories will normally be accepted for graduate studies in this Department:

1. Honours graduates in either Botany or Zoology at McGill who have completed at least one full course in Genetics and one full course in the non-honours subject of either Botany or Zoology.

2. Graduates of McGill who have taken a continuation in Genetics plus a minimum of two full courses in each of Zoology and Botany, who have an average standing of over 65%.

3. Students from other Universities or Agricultural Colleges who have records approximately equivalent to those of any of the above categories.

4. Students who have completed the General Honours Course in Biological Subjects with standing acceptable to this Department.

5. Students who have completed an Honours Course in Genetics.

Other students who have fulfilled part of the above requirements or have a sound knowledge of General Biology plus other special qualifications will normally be required to spend a qualifying session on an approved programme of studies.

The Department will welcome students from other fields of Biological Science or from Agricultural Institutions who are interested in familiarizing themselves with the significance of hereditary variables in their particular fields of interest.

With the co-operation of the Department of Botany and the Faculty of Agriculture adequate laboratory, greenhouse, field, and library facilities are available for research in Plant or Animal Genetics and Cytology. With the cooperation of the Department of Pediatrics and the Montreal Children's Hospital, facilities are provided for training in Human Genetics.

COURSES FOR HIGHER DEGREES

32a. CYTOLOGY (Half course)
First term: 2 hours and a 3-hour laboratory period.
Professor R. Boothroyd

36b. DEVELOPMENTAL GENETICS (Half course)
Second term: 3 hours. *Professor Fraser*

40. STRUCTURE AND FUNCTION OF THE GENE (Full course). Current concepts of gene structure and function will be discussed under the following headings. Intergenic recombination (sexual meiotic, sexual non-meiotic, transduction, transformation, mitotic recombination); analysis of genetic fine structure (mutation, radiation and chemical mutagenesis, conversion, pseudoallelism); unstable loci (paramutation, variegation); cytoplasmic inheritance; interaction of genes and of genes with environment; genetic control of protein specificity and metabolic pathways. Examples will be drawn from a wide variety of plants, animals and microorganisms.
3 hours. *Dr. Käfer-Boothroyd and Staff*
Prerequisites: Genetics 21, 32a and 36b.

41b. CYTOLOGICAL TECHNIQUE (Half course). The student is instructed in the preparation of microscope slides of plant and animal material for the study of the component parts of the protoplast, especially the nucleus. Various fixatives, stains and techniques are used to bring out the details of structure which cannot readily be seen in living material.
Second term: 6 hours laboratory. *Professor R. Boothroyd*

43b. ADVANCED CYTOGENETICS (Half course)
Second term: 3 hours. *Professors Boyes and R. Boothroyd*

44. BIOMETRY (Full course). Applications of statistics to research problems in biology.
2 hours lectures and 3 hours of computation. *Professor Naylor*

45a. GENETICS IN EVOLUTION (Half course). A consideration of genetic concepts and processes involved in the origin and maintenance of populations and species, including: the origin of hereditary variations, adaptation, selection, migration, isolation, hybridization, breeding methods, genetic drift, the establishment of genetic equilibrium, the breakdown of species.
First term: 3 hours. *Professor Boyes*
Prerequisite: Genetics 32a.
Text: Dobzhansky, Genetics and the Origin of Species, third ed.

45b. POPULATION GENETICS (Half course). Statistical aspects of evolution, inbreeding; quantitative inheritance.

Second term: 3 hours. *Professor Naylor*

Prerequisites: Genetics 21 or the equivalent; Genetics 44 or the equivalent; Genetics 45a.

Text: Falconer, Introduction to Quantitative Genetics (Ronald Press).

46a. THE GENETICS OF MAN (Half course). Principles of heredity and special techniques as applied to the study of man's genetic diversity will be considered at an advanced level.

First term: 3 hours. *Professor Metrakos*

48a. DESIGN OF EXPERIMENTS (Half course). General principles of experimentation, and designs appropriate to a wide variety of problems. Completely randomized, randomized blocks and Latin square designs: their purposes, design and analysis. Factorial experimentation, interaction, confounding, randomization and error terms. Complex experiments and an elementary treatment of incomplete block designs. Concomitant measurements, sensitivity and control of error variation. Examples drawn from biology.

First term: 2 hours and 3 hours laboratory (arranged). *Professor Naylor*

Prerequisite: Genetics 44 or the equivalent.

Text: Cochran and Cox, Experimental Designs (Wiley).

(Given in 1961-62 if there is sufficient demand.)

51. SEMINAR. Weekly reports by students and staff on current researches in Cytology and Genetics.

56a. ADVANCED PHYSIOLOGICAL GENETICS (Half course). Problems of gene structure and gene function will be considered at an advanced level. The content of the course will be flexible enough to permit inclusion of new developments in the field as they occur.

First term: 3 hours. *Professor Fraser and other staff members*

Prerequisite: Genetics 40, or the equivalent.

COURSES GIVEN AT MACDONALD COLLEGE

62a. CYTOLOGY (Half course). The protoplasmic organization of the cell.

2 lects., 1 lab., per wk., 1st term. *Professor Grant*

Prerequisite: Genetics 330a.

62b. CYTOGENETICS (Half course). Considerations of genetical and cytological problems in self-incompatibility, linkage, polyploidy, interspecific and intergeneric hybridization, nullisomics, monosomics, etc.

3 lects. per wk., 2nd term. *Professor Grant*

Prerequisite: Genetics 330a and 62a.

63b. MICROBIAL GENETICS (Half course). An analysis of recent progress in the genetics of microorganisms including viruses, bacteria, yeasts, paramecia, algae and fungi.

Second term: 3 hours. *Professor Grant*

Prerequisite: Genetics 330a.

64b. STATISTICAL METHODS IN GENETICS (Half course). A presentation and discussion of statistical methods of analysing genetic changes in populations of domestic animals and plants, with particular reference to pedigrees, heterosis, selection, etc.

3 lects. per wk., 2nd term. *Professor Naylor*

Prerequisite: Genetics 330a.

(*Given in 1961-62 if there is sufficient demand.*)

65a. MUTAGENESIS AND RADIATION BIOLOGY (Half course). A study of the genetic effects of radiation on plants, animals and humans from the cellular level to that of the population. Topics will include the types and sources of radiation, manner of production of mutations, cytological and genetic effects, chemical mutagenesis, radiation and chemical mutagens in crop improvement, and the genetic problem of irradiated human populations. A discussion of individual topics and experiments will be provided through the reading of current literature.

First term: 3 hours. *Professor Grant*

Prerequisite: Genetics 330a.

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

Course 51 and credit for at least four other courses from the above are required for the Master's degree in addition to a thesis on a research problem.

A sound knowledge of General Biology is prerequisite.

The research problem may be in Genetics, Cytology or Cytogenetics.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Only candidates who have shown indications of distinct research ability will be permitted to register for the Ph.D degree. Course 51 must be taken in each year. See general regulations for further requirements.

Courses in other Biological Sciences at McGill and courses in Plant Breeding or Animal Breeding at Macdonald College may be required when it is desirable to extend the student's general background or experience for a particular problem.

DEPARTMENT OF GEOGRAPHY

Professors	F. K. HARE, *Chairman* H. T. LLOYD
Associate Professors	J. B. BIRD T. L. HILLS
Assistant Professor	R. N. DRUMMOND
Lecturers	JOYCE C. BROWN F. C. INNES G. H. MICHIE J. T. PARRY
Honorary Lecturer	G. JACOBSEN

The Geography Department offers the degrees of M.A., M.Sc. and Ph.D. in Geography. Before making formal application to the Dean, applicants should write to the chairman of the department.

REQUIREMENTS FOR THE DEGREE OF MASTER OF ARTS

The following candidates will be eligible to proceed to the degree after one resident session at McGill:

(1) students holding the Honours B.A. of McGill University in Geography;

(2) students from other universities having Bachelor's degrees with a comparable specialization in Geography, together with the important cognate subjects.

Other candidates with degrees in Geography at McGill and other universities may proceed to the degree after one resident session, if, in the opinion of the Chairman, they can make good the deficiencies in undergraduate training in that session, or at the Geography Summer School. These candidates will not, however, be eligible to submit their theses for the May Convocation in that session.

Students with primary undergraduate specialization in a cognate field may, in certain circumstances, register for the M.A. degree in Geography, but will in general be required to register for a qualifying year, and will not be able to submit their theses until the end of the second resident year.

Candidates must

(1) pass written (and in some cases oral) examinations in at least two of the graduate courses listed below;

(2) attend such courses in Geography or cognate subjects as the Chairman and the student's director of research think fit;

(3) submit a thesis in the fields of Human Geography, or in those parts of Geography having a significant bearing on settlement, including planning;

(4) comply with the general field-work requirement (see below). The quality of the thesis will determine the final standing of the student.

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

The following candidates will be eligible to proceed to the degree after one resident session at McGill:

(1) students holding the Honours B.Sc. of McGill University in Geography;

(2) students from other universities having Bachelor's degrees with a comparable specialization in Geography, together with the important cognate subjects.

Other candidates with degrees in Geography from McGill and other universities may proceed to the degree after one resident session, if, in the opinion of the Chairman, they can make good the deficiences in undergraduate training in that session, or at the Geography Summer School. These candidates will not, however, be eligible to submit their theses for the May Convocation in that session.

Students with primary undergraduate specialization in a cognate field may, in certain circumstances, register for the M.Sc. degree in Geography, but will in general be required to register for a qualifying year, and will not be able to submit their theses until the end of the second resident year.

Candidates must

(1) pass written examinations in at least two of the graduate courses listed below:

(2) attend such courses in Geography or cognate subjects as the Chairman and the student's director of research think fit;

(3) submit a thesis in the fields of Physical Geography, or Cartography;

(4) comply with the general field-work requirement (see below)

The quality of the thesis will determine the final standing of the student.

REQUIREMENTS FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Students who have attained high standing in the Master's degrees in Geography at McGill University, or have equivalent qualifications,

may be permitted to proceed to the Ph.D. in two further years. In exceptional circumstances a student may be allowed to register for the Ph.D. without having first taken the Master's degree. Students are advised that in field subjects at least two summers of field work will normally be required.

Except in special circumstances the Department will restrict admission to the Ph.D. course to students prepared to work in one or other of the following fields: the physical, human, economic and regional geography of North America, Europe, the U.S.S.R. and the Polar Regions; historical geography and the history of geographical discovery of North America; climatology; geomorphology; glaciology; certain aspects of tropical geography.

A broad familiarity with the entire field of geography will be assumed in all students who register for the Ph.D. In their preliminary examinations, they must show professional competence, and will be judged as to their familiarity with the literature, methods, and organization of modern geography.

Candidates must

(1) remedy any deficiencies in their formal course-work in Geography to the Master's level, and must also ensure that they have adequate training in the important cognate subjects;

(2) Submit themselves for two written preliminary examinations each of six hours duration. The first examination (Geography 71) will be in the subject of the dissertation and related fields. The second examination (Geography 72) will survey the whole field of geography. In addition candidates will submit themselves for a comprehensive oral examination (Geography 73).

(3) submit a thesis in one of the fields listed above; and

(4) comply with the general field-work requirement (see below).

To comply with requirements (1) and (2) above, the candidate may take any of the graduate or undergraduate courses offered by the Department.

GRADUATE COURSES OR SEMINARS

(all courses one meeting weekly)

58 and 59. Special graduate courses given at Knob Lake Research Laboratory.

Mr. Mattox

60. FRONTIER SETTLEMENT.

A comparative study of frontiers of settlement in northern lands, especially Canada, and in the Tropics. Special attention will be given to the process by which frontiers are expanded and pioneer fringes developed; the

physical and cultural conditions influencing this expansion and development; the techniques and institutions involved.

Professor Hills and Staff

62. HISTORICAL GEOGRAPHY

An examination of the nature of historical geography and its development in Europe and North America. Emphasis is laid on the scope of the field and the relations with both history and geography, the character of its concepts, as well as the practical problems of research.

Mr. Parry

63a. CLIMATIC CHANGE WITH SPECIAL REFERENCE TO THE POSTGLACIAL EPOCH (Half course).

The concept of normal climate. The Pleistocene aberrations; glacial and pluvial climates and the interglacials. Postglacial sequences in North America and Europe; the thermal maximum. The recent climatic fluctuations. Causes of climatic change.

First term. *Professor Hare*

65. THE PHYSIOGRAPHY OF A SELECT AREA OF NORTH AMERICA

An analysis of the evolution of the physical landscape of a small area in North America. The course makes considerable use of topographic maps and air photographs and requires the student to apply physiographic theory to actual areas.

Professor Bird

66. CARTOGRAPHY, WITH PARTICULAR REFERENCE TO SPECIAL PURPOSE MAPS

Survey of modern topographical maps of leading countries. Study of features and phenomena of physical and human geography on topographical maps of several countries. Comparison and appreciation of maps.

67. THE GEOGRAPHY OF THE ARCTIC

A study of Northern Lands with particular reference to Arctic Canada. Equal time will be devoted to the physical evolution and special characteristics of northern areas; and to the human response to the environment and recent economic development.

Professor Bird and Staff

68. REGIONAL GEOGRAPHY OF A SELECTED AREA

An advanced course designed to illustrate the processes of regional study.

The Staff

69. METHODS OF GEOGRAPHICAL RESEARCH

A review by the staff of the accepted methods of research in geographical problems, in both physical and human fields. Emphasis will be laid upon inadequacies in the existing methodology. The approach will be practical, and will require the presentation of formal research papers for criticism and discussion.

The Staff

71-75. PH.D. PRELIMINARIES (see above).

FIELD WORK REQUIREMENT

The Geography Department normally holds either an annual field trip immediately before the beginning of the session, to an area of geographical interest in Eastern Canada or the Northeastern United States, or a local field camp, or a series of local field excursions during the fall term. All students in residence will participate in these field studies.

McGILL SUBARCTIC RESEARCH LABORATORY

This laboratory (under the resident direction of Mr. Mattox) is at Knob Lake (Schefferville), in the heart of Labrador-Ungava. Facilities exist for research in most aspects of physical geography, and there is a resident staff of five assistants. Extensive summer field programmes are arranged. Two graduate courses (Geography 58 and 59) are offered. All enquiries should be addressed to the Chairman, Geography Department.

DEPARTMENT OF GEOLOGICAL SCIENCES

Professors	J. E. GILL, *Chairman*
	T. H. CLARK
	E. H. KRANCK
	J. S. STEVENSON
Associate Professors	V. A. SAULL
	C. W. STEARN
Assistant Professors	L. A. CLARK
	P. R. EAKINS
	J. A. ELSON
	A. J. FRUEH
	G. R. WEBBER
Honorary Lecturer	JOHN C. REED
Research Associates	E. DIMROTH
	C. DÜSING
	J. RIVA

GENERAL STATEMENT

Entrance to graduate work in Geological Sciences may be through the course in Mining Engineering (B.Eng. with good second class standing), through the B.Sc. course in Geological Sciences (Honours Geology, or high second class standing in the General Course), or through the Honours course in Geology and Physics (Geophysics).

Students who have not passed courses in Surveying, Calculus, Electricity and Magnetism (or Advanced General Physics), Geophysics, Physical Chemistry, and Chemical Analysis must do so before being eligible for an advanced degree. They must also present evidence of having done satisfactory field work under competent direction for at least one summer.

REQUIREMENTS FOR THE DEGREES OF MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY

Candidates for the degree of Master of Science who have not satisfactorily completed courses equivalent to the undergraduate courses listed below must make up any deficiency and, in addition, take three graduate courses as advised. The thesis must conform to the general regulations. (For the degree of M.Sc.(Applied) see below on page 2702.)

Courses for the degree of Doctor of Philosophy will be selected from the list of graduate courses according to the student's particular interest, on the advice of his director of research. The thesis must conform to the general regulations.

Students interested in Geophysics or Geochemistry may be permitted to select courses in Chemistry, Physics or Applied Geophysics as substitutes for some of those normally required.

UNDERGRADUATE COURSES

231c. FIELD GEOLOGY.
Two-week field school in May. *Professor Eakins*

232b. STRUCTURAL GEOLOGY. *Professor Eakins*

331a. OPTICAL MINERALOGY. *Professors Stevenson and L. A. Clark*

332. PETROLOGY. *Professor Kranck*

341. PALEONTOLOGY. *Professor Clark*
This course may be omitted as a requirement for some M.Sc. students.

342a. GEOMORPHOLOGY. *Professor Elson*

343. STRATIGRAPHY. *Professors Clark and Stearn*

344b. MINERALOGRAPHY. *Professor Stevenson*

This course may be omitted as a requirement for some M.Sc. students.

346b. ENGINEERING GEOLOGY. *Professor Elson*

441. ORE DEPOSITS. *Professor Gill*

443b. EARTH PHYSICS. *Professor Saull*

444. GEOLOGY OF NORTH AMERICA. *Professors Elson, Stearn and Eakins*

GRADUATE COURSES

A. STRUCTURAL GEOLOGY. A review of rock structures and their origins followed by a discussion of broader problems relating to deformation of the earth. Training in the solution of practical problems is provided.

2 hours lecture or seminar per week and assigned problems.

Professors Gill and Eakins

B. GEOLOGICAL COLLOQUIUM. Introduction to graduate work in the geological sciences. The general course divisions are: history of geology, contemporary geological research, methods used in geological research, and the presentation of research results.

2 hours lecture or seminar per week and assignments. *Professor Saul*

C. APPLIED GEOCHEMISTRY. The distribution and abundance of the elements are reviewed. Particular emphasis is placed on the movement of economically valuable elements through the exogenic stage of the geochemical cycle. The principles and techniques used in geochemical exploration for minerals and elements are reviewed. The laboratorly work provides exercises in various methods of analysis commony used in applied geochemistry.

2 hours lecture or seminar and three hours laboratory per week.

Professor Webber

D. MINING GEOLOGY AND MINERAL EXPLORATION PROBLEMS. Methods used in the search for economic mineral deposits and in developing and exploiting them are examined. Principles and hypotheses on which these methods are based are reviewed and discussed critically.

Characteristic problems arising in the mineral exploration field are presented. The majority of these problems deal with the interpretations of geological, geophysical, and geochemical data and their interrelationships. Other problems deal with the planning and execution of mineral exploration programmes in various terrains and climates, and the evaluation of mineral deposits at different stages in their development.

2 hours lecture or seminar per week and assigned problems.

Professors Gill and Eakins

E. PETROLOGY. A presentation of the origin and classification of igneous sedimentary, and metamorphic rocks, with a discussion of the rock-forming processes and their relationship to mineralization.

2 hours lecture or seminar, 6 hours laboratory per week.

Professor Kranck

F. GEOLOGY OF PETROLEUM. Physical and chemical properties of petroleum and natural gas. Origin of petroleum; migration of petroleum; character of the reservoir and condition of fluids and gases in it. Structural traps, stratigraphic traps. A brief survey of the petroleum resources of the world.

2 hours lecture or seminar per week. *Professor Stearn*

G. MINE PETROGRAPHY. The highly altered rocks connected with ore deposits differ essentially from normal rock types and require special petrographic methods. The microscopic identification of such rocks and their minerals is studied in the laboratory in connection with a discussion of the chemical-mineralogical processes through which they have been formed.

2 hours lecture or seminar, 2 hours laboratory per week.

Professor Kranck

I. GEOLOGY AND PROBLEMS OF THE PRECAMBRIAN. A survey of Precambrian formations throughout the world with special emphasis on the Canadian Shield. Problems of correlation and interpretation are discussed and some attention is given to mineral resources.

1 hour lecture or seminar per week and assigned problems. *Professor Gill*

J. GEOLOGICAL MAP INTERPRETATION.

1 hour lecture or seminar and assigned problems, 1st term.

Professor Eakins

K. PHOTOGEOLOGY. The interpretation of air photographs in terms of lithology, structure, surficial deposits, and landforms.

2 hours lecture and seminar and laboratory, second term.

Professor Elson

L. ADVANCED PETROLOGY AND PETROGRAPHY. Selected topics on recent theoretical and experimental work in petrology.

2 hours lecture or seminar per week. *Professor Kranck*

M. ADVANCED MINERALOGY. Discussion of the chemical and optical variations, and current classifications within the more important mineral groups. The laboratory gives practice in the precise microscopic identification of individual members of these groups using oil immersion, double variation, and universal stage techniques.

4 hours seminar and laboratory per week. *Professor Stevenson*

N. ADVANCED STRATIGRAPHY. A survey of the stratigraphy of North America. The geological evolution of the continent as it is recorded in the Paleozoic, Mesozoic, and Cenozoic sedimentary rocks.

2 hours lecture per week, laboratory work. *Professors Clark and Stearn*

O. ADVANCED GEOMORPHOLOGY. Weathering, soils, mass-wasting and the landforms created by wind, water, and ice; classical views and results of modern research. A term paper, preferably based on field work, will be submitted at the end of the year.

2 hours lecture or seminar per week, and assignments. *Professor Elson*

P. ADVANCED PALEONTOLOGY.
Special problems and assignments. *Professor Clark*

Q. ADVANCED ECONOMIC GEOLOGY. World distribution of mineral resources; problems of genesis.

1 hour lecture or seminar per week and assigned problems. *Professor Gill*

S. GEOCHEMISTRY. Treatment of those aspects of thermodynamics, kinetic theory, nuclear physics, and atomic physics that are important in general geochemistry. Current geochemical research and certain instrumental methods are also discussed.

2 hours lecture or seminar per week and assignments. *Professor Saull*

T. SEDIMENTARY PETROGRAPHY. Classical and recent papers on sedimentary rocks are discussed. Methods of study of sedimentary rocks and a survey of sedimentary rocks in thin sections are included in the laboratory.

2 hours lecture or seminar per week and laboratory. *Professor Stearn*

U. GLACIAL AND PLEISTOCENE GEOLOGY. Glaciology and the deposition of drift by glaciers; glacial geology and the effects of glacial climates in peripheral areas; changes in level of land and sea; chronology of the Pleistocene.

2 hours lecture or seminar per week and assignments. *Professor Elson*

V. INSTRUMENTAL ANALYSIS, Application of instrumental methods of analysis to materials of geological interest. Optical spectrography, x-ray spectrometry, x-ray diffraction.

1 hour lecture, 3 hours laboratory per week, 1st term.
Professor Webber

X. CRYSTALLOGRAPHY (X-Ray Crystallography.)

2 hours lectures and 3 hours laboratory per week. *Professor Frueh*

Z. ADVANCED EARTH PHYSICS. Discussion of selected topics in earth physics.
3 hours lectures or seminar per week and assignments.
Professors Geldart, Saull and Telford

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE (APPLIED)

The general aim of this two-year course is to train students to be capable of planning and carrying out effective exploration for mineral deposits, and of valuing mineral deposits in various stages of development and production. Such students must be provided with:

(1) a sound theoretical and practical background in the use of modern techniques of exploration,

(2) additional information on the economic and technical considerations which distinguish ore bodies from other mineral deposits,

(3) some insight into the legal and financial aspects of mineral exploration.

During the First year Geology graduates and Mining graduates will take different courses, the result being to bring both groups to a common level. In the Second year, with one minor exception, the work will be the same for the two groups.

Honours Geology Graduates—First Year

Geology A (Structural Geology)
Geology B (Geological Colloquium)
Geology J (Field Methods and Problems)
Geology K (Photogeology)
Mining 762 (Mining Engineering)
Mining 768 (Mineral Dressing)
Mining 782 (Mine Design)
Mining 784 (Mine Finance and Cost Control)
Physics 23 (Electricity and Magnetism)
Physics 23L (Electricity and Magnetism, laboratory)
Physics 24 (Dynamics)
Physics 25 (Statics and Hydrostatics)

Mining Engineering Graduates—First Year

Geology 331a (Optical Mineralogy)
Geology 332 (Petrography, second half only)
Geology 341 (Palaeontology)
Geology 342a (Geomorphology)
Geology 343 (Stratigraphy)
Geology 344b (Mineralography)
Geology A (Structural Geology)
Geology B (Geological Colloquium)
Geology J (Field Methods and Problems)
Geology K (Photogeology)

Common Second Year

Geology C (Applied Geochemistry)
Geology D (Mining Geology & Mineral Exploration Problems)
Geology F (Geology of Petroleum) *or*
Geology I (Pre-Cambrian)
Geology G (Mine Petrography)
Metallurgy G608 (Metallurgical Economics)
Physics 71 (Applied Geophysics)
Geology 341 (Palaeontology) or
Geology 344b (Mineralography) } for Honours Geology graduates only

Candidates obtaining this degree with distinction may be accepted as candidates for the Ph.D. degree.

DEPARTMENT OF GERMAN

Professor H. S. Reiss
(on leave of absence, 1961-62)

Associate Professor Bertha Meyer

PREREQUISITES

In order to be admitted to graduate work in German the candidate must have a B.A. degree with Honours in German and at least second class standing from McGill University, or an equivalent B.A. degree from another College or University of recognized standing.

In estimating the quality and contents of the required undergraduate work the following factors must be borne in mind:

1. The candidate must be able to understand and read German. He must be able to speak it fairly fluently and to write it correctly. Lectures and Seminars are conducted in German. The thesis must (save in exceptional circumstances) be written in German, under the supervision of the Department.

2. Prerequisite literary studies include:

(a) A survey of German literature from its beginnings to the 20th century, with emphasis upon developments since Lessing, supplemented by collateral readings (equivalent to two full courses).

(b) A more detailed study of several special fields. In this respect the undergraduate curriculum of McGill University comprises one full course in the history of German drama, one full course in German History and civilization, one half course in the German lyric, and one half course on Goethe's Faust. Substitutes for these, if found satisfactory, will be honoured by the Department.

(c) A full course in the Middle High German Language and the reading of selected passages from Middle High German Literature (one year).

COURSES FOR THE DEGREE OF MASTER OF ARTS

610 GOETHE
1 meeting weekly. *Professor Reiss*

620. LESSING
1 meeting weekly. *Professor Meyer*

630. GERMAN ROMANTICISM
1 meeting weekly. *Professor Reiss*

650. TWENTIETH CENTURY LITERATURE
1 meeting. *Professor Reiss*

660. MIDDLE HIGH GERMAN LITERATURE AND THE HISTORY OF THE GERMAN LANGUAGE *Professor Reiss*

Two courses must be taken: German 610 and either German 620, 630, 650 or 660.

If the candidate has never taken the undergraduate course in Middle High German Language and Literature or its equivalent, he must make up this deficiency.

As a rule the candidate is advised not to attempt to complete the course work and finish the thesis in one winter session. The best arrangement is: Course studies during the winter session, thesis during the summer, graduation in the autumn.

PH.D. LANGUAGE TESTS

For Ph.D. candidates who are required to pass a reading test in German or Russian the following courses are offered.

102. GERMAN. *Reading Course* (Full course).
Method and Practice of Translation. The first half of the course will be devoted to an introduction to German, the second half to actual translation of texts from various fields of interest. This course is intended for students preparing to fulfil the language requirement for the Ph.D. degree.
2 hours. *Professor Block*

Text: C. V. Pollard, The Practical Solution to German Translation. (The University Co. Op., Austin, Texas, 1950).

102. RUSSIAN. *Russian Reading course* (Full course).
Method and practice of translation. The first half of the course will be devoted to an introduction to Russian, the second half to actual translation of texts from various fields of interest. This course is intended for students preparing to fulfil the language requirement for the Ph.D. degree.
3 hours. *Mr. Westwood*

Texts: Condoyamis, Scientific Russian; Nhamensky, Conversational Russian.

DEPARTMENT OF HISTORY

Professors	H. N. FIELDHOUSE, *Chairman* C. C. BAYLEY
Associate Professors	J. I. COOPER M. MLADENOVIC W. S. REID
Assistant Professor	P. ZAGORIN
Lecturer	R. VOGEL

The Honours B.A. in History, which is prerequisite to Graduate work in the subject, may be taken in History alone or in History and another subject. When it is taken in History alone, it requires twelve full courses in European, Canadian, British, and U.S. history, taken in a prescribed sequence, together with certain other approved courses, notably in foreign languages. It also requires the investigation, continued through two years, of a Special Subject which is studied intensively from original sources. Graduate students who enter without this qualification may find it necessary to make good any deficiency in their preparation and the Department is prepared to make this possible.

COURSES FOR THE DEGREE OF MASTER OF ARTS AND DOCTOR OF PHILOSOPHY

I. The Department is prepared to direct the research of graduate students in the following fields:

British History:

(a) English history in the later Middle Ages.
(b) English and Scottish History in the XVI Century.
(c) English history, 1603-1688.
(d) English history, 1688-1760.
(e) English history, 1870-1914.
(f) Certain aspects of English economic history.
(g) Certain aspects of British foreign policy since 1815.

Canadian History:

(a) The social and economic history of Montreal, 1867-1900.
(b) The history of Lower Canada and Quebec in the XIX Century.

European History:

(a) The constitutional development of the Holy Roman Empire in the XIII Century.
(b) The Reformation.
(c) France in the XVI and XVII Centuries.
(d) Certain aspects of the history of western Europe 1870-1914.
(e) Certain aspects of the history of Slavonic Europe.

II. Candidates both for the M.A. and for the Ph.D. are required to take Seminar A, and to write the prescribed examinations.

Seminar A is conducted in five parts, as follows:

Part I Historical Method and the Philosophy of History.
Part II Historiography of ancient and mediaeval Europe.
Part III Historiography of western Europe from the XVI to the XIX Century.
Part IV Historiography of North America.
Part V Slavonic Historiography.

Candidates will take Parts I and II together with such other two parts as may be determined in consultation with the Department.

The Redpath Library is well equipped with printed sources for the periods and subjects mentioned above, and students pursuing research in Canadian History will be required, as occasion arises, to avail themselves of the manuscript resources of the Dominion Archives at Ottawa and the Provincial Archives at Quebec, and of parochial and other records in Montreal and its vicinity.

In the case of the Ph.D. degree, the Department may require candidates to spend one year in research at another university or repository of archives.

The preliminary Ph.D. examination will be replaced by a report from the Department on the general work and ability of each candidate and by a general examination on the historical background of the subject of the thesis; this examination can be taken either at the end of the first year or during the second, as decided by the director of the candidate's studies.

Candidates for the degree of Doctor of Philosophy should consult the Department as to the selection of the two foreign languages in which they propose to be examined, as these must be chosen for their bearing upon the candidate's special field of research.

DEPARTMENT OF HORTICULTURE

(Macdonald College)

Associate Professors	H. R. MURRAY, *Chairman* C. D. TAPER
Assistant Professor	JEAN DAVID
Lecturer	P. M. HARNEY

Adequate laboratory and library facilities are available for the courses listed below and for research.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE

A. POMOLOGY

Lectures and colloquium, 3 hours; laboratory, 3 hours. (2 terms)

B. VEGETABLE CROPS

Lectures and colloquium, 3 hours; laboratory, 3 hours. (2 terms)

C. FRUIT AND VEGETABLE PRESERVATION

Lectures and colloquium, 3 hours; laboratory, 3 hours. (2 terms)

D. EXPERIMENTATION. (See Course 60—Department of Agronomy)

E. PLANT PHYSIOLOGY. (See Course 61—Department of Botany)

F. ADVANCED GENETICS AND CYTOLOGY. (See Course 43b—Department of Genetics)

REQUIREMENTS FOR THE DEGREE OF MASTER OF SCIENCE

1. A candidate must select either course A or course B or course C. If he selects A or B he must take in addition Agronomy 60 (Experimentation) and at least one further course such as Botany 61 (Plant Physiology) or Genetics 43b (Advanced Genetics and Cytogenetics). If he selects course C he must take in addition Botany 61 (Plant Physiology), Bacteriology 34 (Food Microbiology), and either Chemistry 451 (Chemistry of Foods and Feeding Stuffs) or Chemistry 452 (Advanced Food Analysis).

2. The research problem must be approved by the Departments involved, each candidate being jointly responsible to the Department of Horticulture and to some other Department, such as Botany, Genetics, or Plant Pathology, approved by the Faculty for his case.

3. The candidate must spend one summer in the Department before or during the course, or have its equivalent at some other approved institution.

DEPARTMENT OF INVESTIGATIVE MEDICINE

Professor J. S. L. BROWNE, *Chairman*

Assistant Professors C. J. P. GIROUD
N. KALANT

Research Associate S. SOLOMON

Lecturers IVAN BECK
CLIFFORD CHAPPEL
MICHAEL GOLD
REUBEN SCHUCHER
JANINE STACHENKO
RUTH WOLFE

COURSES FOR THE DEGREE OF M.Sc. or Ph.D.

61. Seminar 1 hour weekly throughout the session.

62. ADVANCED ENDOCRINOLOGY—STEROID HORMONES
2 hours weekly throughout the session.

63. ADVANCED ENDOCRINOLOGY—"NITROGEN CONTAINING" HORMONES
2 hours weekly throughout the session.
Courses 62 and 63 are given in alternate years.
Course 63 will be given in 1961-62.

64. CLINICAL ENDOCRINOLOGY
1 hour weekly throughout the session.

65. PHYSIOPATHOLOGY
(to be registered for as Experimental Medicine 65).
1 hour weekly throughout the session.

66. PRINCIPLES AND METHODS OF CLINICAL INVESTIGATION
1 hour weekly throughout the session.

67. SEMINAR. CARDIORESPIRATORY PHYSIOPATHOLOGY (to be registered for as Exp.Med.67)
1 hour weekly.

68. IMMUNO-PATHOLOGY
1 hour throughout the session.

GENERAL STATEMENT

The Department offers courses leading to the degrees of M.Sc. and Ph.D. in the Faculty of Graduate Studies and Research and provides research facilities for these students or for other persons proceeding to graduate degrees, diplomas or for other qualified individuals.

The courses and the direction of research in this department are given in close collaboration with the Department of Experimental Medicine and members of either department give lectures and direct the research of graduate students registered in the other.

Students may work either in the Medical Building or in one of a number of hospitals depending on the type of work done (clinical or laboratory) or upon the individual directing the research. Part of the function of the department is the correlation of clinical investigation being done at various hospitals.

Students holding either the M.D. or the B.Sc. degree or its equivalent may enter the department provided that their standing is acceptable.

INSTITUTE OF ISLAMIC STUDIES

Professor	W. C. Smith, *Director of the Institute*
Visiting Professor	M. Mujib ("Mujeeb")
Associate Professors	Niyazi Berkes
	Keith B. Callard
	Fazlu-r-Rahman
	H. Muhammad Rasjidi
Assistant Professors	Charles J. Adams
	John Alden Williams
Librarian	W. J. Watson

The Institute offers courses and undertakes to direct research in preparation for the M.A. and Ph.D. degrees in Islamic Studies. It is planned that the number of Muslims and of Westerners should at all levels be approximately equal. Joint participation, both of students and staff, is a feature of the seminars. Two years of resident study are normally required for the M.A., five for the Ph.D.

The Institute is concerned with Islam as a religion, and with the civilization and society that are founded upon it. Its special emphasis is on the religion as a contemporary and living force; and on the major changes through which the civilization and society are currently going. It would seek such understanding as will enable outsiders to observe those changes intelligently, Muslims to participate in them intelligently, and both to communicate.

Within the total range of modern Muslim development, a special research emphasis on Pakistan and Muslim India is being evolved; including the social sciences as well as the humanities, and bringing together facilities, library, and personnel for a more concentrated and comprehensive study.

Candidates for degrees in Islamic Studies may, with the consent of those departments, be permitted or required to take relevant courses offered by the Departments of History, Economics and Political Science, Philosophy, Comparative Religion, etc. In special cases also these departments recognize participation in relevant courses offered by the Institute as contributing to their own advanced degrees. Such participation by students from other departments is welcomed by the Institute.

The Institute stresses competence in language. At the M.A. level, one Islamic language is required; of Muslim students, one Islamic language other than their own. For doctorate work, all students, Muslim and Western, must have a reading knowledge of *both* French and German (for access to western scholarship on Islam) *and* two Islamic languages, of which one will normally be Arabic.

(A) RESEARCH SEMINARS: ISLAM IN THE MODERN WORLD

1. ISLAMIC DEVELOPMENTS IN THE MODERN ARAB WORLD

The Wahhabi movement; the Sanusi movement; Jamal al-Din al-Afghani; Muhammad 'Abduh; the Azhar; the modernists; the Ikhwan al-Muslimun. The relation between the Islamic and the Arabist factors in modern nationalism.

2 hours.

2. THE DEVELOPMENT OF SECULARISM IN MODERN TURKEY

An analysis of the transition from Ottoman institutions and ideas to those of contemporary Turkey. Beginning with the eighteenth century background of the early attempts at reform, attention is given to the changes during the *Tanzimat*, "Young Turk", and Republican periods, as a preparation for an understanding of contemporary problems raised by secularization.

2 hours. *Professor Berkes*

3. MODERN TRENDS IN ISLAM IN INDIA AND PAKISTAN

Islamic developments in India, from the eighteenth century to the emergence of Pakistan.

2 hours. *Professor Fazlu-r-Rahman*

Texts: Shah Waliyullah, *Hujjat Allah al-Balighah*, *Tafhimat Ilahiyah*; Isma'il Shahid, *'Abaqat;* Sir Sayyid Ahmad Khan, *Tafsir*, *Laykcharz ka Majmu'ah;* Amir 'Ali, *The Spirit of Islam;* Iqbal, *Reconstruction*, and the poetical works; Abu-l-Kalam Azad, *Tarjumanu-l-Qur'an;* Mawdudi, selected writings; Pakistan constitutional documents.

4. THE DEVELOPMENT OF ISLAM IN INDONESIA

Background of the pre-Islamic period. The arrival of Islam; Arabian and Javanese elements in Indonesian Islamics, and Hukum Adat; Muslim

states *versus* the Dutch company; the Padri war. Policy of the Dutch government towards Islam. Recent Islamic movements and political parties (Sarekat Islam, Muhammadijah, Masjumi, Nahdatul Ulama, Persatuan Islam, M.I.A.I., etc.). Islam and Pantja Sila; the ideological struggle, in the constituent assembly and elsewhere.

2 hours.

Professor Rasjidi

5. ISLAM IN WEST AFRICAN HISTORY

A study of the role of Islam in the development of institutions and ideas in the western and central Sudan, from the 11th century A.D. to the present day. With special reference to (i) the links between this region and the wider Muslim world, (ii) the sources, both literary and archaeological, for a study of this area, and the lines of inquiry that these open up.

2 hours.

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8. GOVERNMENT IN THE MODERN MUSLIM WORLD

Muslim political ideas and Muslim institutions ofgovernment, and their relevance to the modern world: a comparison of aspects of political development in the twentieth century in the following countries—Tunisia, Egypt, Turkey, Pakistan, Indonesia.

2 hours.

Professor Callard

9. ISLAM IN RECENT HISTORY

A survey of major movements from the eighteenth century to the present, with an endeavour to elicit a common pattern, and to gain insight into the significance of the chief deviations. A conspectus of the Islamic world's response to internal decline in the eighteenth century and external encroachment in the nineteenth; and of the use of freedom, in theory and in practice, in the twentieth. A comparative study of liberal developments, nationalism, etc.

The documentation for this seminar will be an expanded form of the bibliography given for chapter 2 of Smith, *Islam in Modern History*.

2 hours.

Professor Smith

Approximately two of the above seminars will be given each year. The choice will in part be determined by enrolment.

(B) SEMINARS ON THE HERITAGE OF CLASSICAL ISLAM

11. HISTORICAL DEVELOPMENT OF ISLAMIC THEOLOGY

An endeavour to understand and appreciate, and to make intelligible in contemporary terms, significant attempts of Muslims at different periods in the past to give intellectual expression to their faith.

2 hours.

Professor Smith

12. AL-GHAZZALI

The historical background. His life. His writings; viewed in relation to the context out of which they emerged, and considered also for their potential significance for Muslims to-day.

2 hours. *Professor Fazlu-r-Rahman*

13. THE SOCIAL INSTITUTIONS OF ISLAM—(1) Government and State

An introductory consideration of the chief varieties of religious attitude to society in general, and to government in particular; their range in man's religious history generally, and recent attempts (e.g. Max Weber) at systematic presentation and analysis. The situation of Islam in this regard, within the wider context. A survey of the historical evolution of this Islamic view, and of the various patterns and concrete manifestations of Muslim political theory and practice through the centuries. This historical development will be considered chiefly under these headings:

(i) The first Islamic *Ummah;*

(ii) The classical period of Islamic history: the 'Abbasi *khilafah* in practice, and the *khilafah* idea;

(iii) The mediaeval period: the rise of "Sultanism" from the time of the Seljuks, and the organization of authority in the Ottoman, Safawi, and Mughul empires;

(iv) The rise of modern states and their challenge to Islam: the Turkish secular state; the Persian constitutional monarchy; the Arab states and their political problems; the idea of Islamic state in Pakistan; Islamic state vs. nationalism in Indonesia.

2 hours. *Professor Berkes*

14. THE SOCIAL INSTITUTIONS OF ISLAM—(2) Law

The role of law in Islamic society and in Islamic thought. The matter will be considered historically, sociologically, theologically.

Professor Berkes and Staff

25. READINGS IN THE CLASSICAL ARABIC PHILOSOPHERS

A consideration of the development of philosophic thought among the Muslims, and its relation to the late Greek background; with special reference to Ibn Sina (Avicenna). Some of his writing, especially the *Kitab al-Najat*, or al-Ghazzali's *Tahafut*, will be read in Arabic. The role of *falsafah* in classical Islamic culture and thought.

3 hours. *Professor Fazlu-r-Rahman*

(C) PAKISTAN AND MUSLIM INDIA

30. ASPECTS OF THE DEVELOPMENT OF MUSLIM CULTURE IN INDIAN HISTORY

Statesmanship and administration. Sufis; the orthodox; other religious thought. Secular scholarship. Literature, Art, Social Life.

2 hours. *Professor Mujib*

31. POLITICAL FORCES IN PAKISTAN

A study of the background of the contemporary ferment in the political life of Pakistan. The following topics will be discussed: religion and public life; religio-political parties and movements; political position of the minorities; major parties and political power; provincial and local factors; poverty and politics; forces favouring and opposing democratic institutions. The 1956 constitution and its 1958 abrogation. The new régime.

2 hours. *Professor Callard*

(D) COURSES ON ISLAM

55. ISLAMIC HISTORY: THE CLASSICAL PERIOD

The origins of the early Islamic state in Arabia, and the Umawi Caliphate. The growth of an Islamic civilization, and the Abbasi Empire. The Fatimis. The rise and ascendancy of the Saljuqs. The Moors in Spain and Africa. The Crusades. The destruction of the 'Abbasi Empire. The fall of Granada.

3 hours. *Professor Williams*

56. ISLAMIC HISTORY: THE MEDIAEVAL AND MODERN PERIODS

The Mamluk, Turkish, Persian, and Indian Empires. Islam in Indonesia and North Africa. They decay of the empires. Western penetration. The reconstruction. *Professor Williams*

57. INTRODUCTION TO ISLAM

An attempt to present and interpret the faith of Islam in such a way as to clarify how it appears both to an outsider and from within. The scripture, prophet, institutions, and history of the religion, with particular attention to meaning.

3 hours (Half course). *Professor Smith*

62. ISLAMIC RESEARCH MATERIALS

An introduction to the research materials used in Islamic studies. Some preliminary discussion of research methods, of the preparation of reports and essays; documentation; transliteration. Particular attention is given to the special reference books and serials used in the field.

1 hour (one term only). *Mr. Watson*

(E) LANGUAGE

61. PRINCIPLES OF LINGUISTICS, WITH SPECIAL REFERENCE TO THE LANGUAGES OF THE MUSLIM WORLD

The fundamentals of phonetics, phonemics, morphology, and syntax, employing the various languages of the Muslim World as principal examples. Language and Culture; the interrelations between thought and speech; structural linguistics in its cultural context.

3 hours.

Instruction in individual languages is offered as follows.

Not all courses are available each year. The elementary courses in each case are five hours per week, and do not normally carry graduate credit unless followed by a second year in the same language. Other levels are three hours per week.

100. ELEMENTARY ARABIC

101. LOWER INTERMEDIATE ARABIC

102. HIGHER INTERMEDIATE ARABIC

103. ADVANCED ARABIC (ARABIC PHILOSOPHIC OR THEOLOGICAL LITERATURE). This will be related to ISLAMICS 12, 14, or 25 above.

110. ELEMENTARY TURKISH

111. LOWER INTERMEDIATE TURKISH

112. HIGHER INTERMEDIATE TURKISH

113. ADVANCED TURKISH (TURKISH HISTORICAL LITERATURE). This will be related to ISLAMICS 2 above.

120. ELEMENTARY PERSIAN

121. LOWER INTERMEDIATE PERSIAN

122. HIGHER INTERMEDIATE PERSIAN

123. ADVANCED PERSIAN (PERSIAN RELIGIOUS POETRY)

130. ELEMENTARY URDU

131. LOWER INTERMEDIATE URDU

132. HIGHER INTERMEDIATE URDU

133. ADVANCED URDU. This will be related to ISLAMICS 3 above.

140. ELEMENTARY MALAY AND INDONESIAN

140. ELEMENTARY MALAY AND INDONESIAN

141. INTERMEDIATE MALAY AND INDONESIAN

142. ADVANCED MALAY AND INDONESIAN. This will be related to ISLAMICS 4 above.

DEPARTMENT OF LAW

Professors	F. R. Scott, *Dean*
	Louis Baudouin
	Maxwell Cohen
Associate Professors	R. I. Cheffins
	P. A. Crépeau
	J. W. Durnford
	A. B. Rosevear
Lecturers	G. S. Challies
	Joseph Cohen
	Ross T. Clarkson
	L. P. de Grandpré
	Graham Gould
	Marc Lapointe
	G. E. Le Dain
	P. Meyer
	G. R. W. Owen
	W. J. McQuillan
	James A. Soden
	George T. Tamaki
	P. F. Vineberg
	S. W. Weber

COURSES FOR THE DEGREE OF MASTER OF CIVIL LAW

Candidates must hold the degree of B.C.L. with at least second class honours from McGill University, or its equivalent. They must select one of the four following departments of study, in which they must follow at least one course throughout a session of residence, and must under supervision prepare an acceptable thesis. The general rules for the Master's degree will apply.

The departments of study, which may not all be offered each year, are

Roman Law
Civil Law
Commercial and Maritime Law
Public Law, including International Law

Students may also be required to follow cognate courses in other Departments of the Faculty.

COURSES FOR THE DEGREE OF MASTER OF LAWS

This degree is offered only in the Institute of Air and Space Law.

This Institute operates within the Faculty of Law. Its Director is Professor A. B. Rosevear, Q.C.

The purpose of the Institute is to provide facilities for advanced study in Air and Space Law for qualified Law graduates or for members of recognized bars, and also to provide an academic organization for fundamental research in these fields.

The course of study normally requires two years' residence at the Institute, but those candidates whose work during the First year is, in the Director's opinion, satisfactory, may be permitted during the Second year to offer a thesis *in absentia* on an approved subject within the field of the Institute's work. If the thesis is accepted, the candidate will receive the degree of LL.M.

The annual fee for the course in residence (excluding living expenses in Montreal) is $425 for the First year and $25 for the Second year; a fee of $10 will be payable by non-resident students at the beginning of each year until the thesis is presented; an additional fee of $10 is payable if the degree is awarded "in absentia".

Applicants for admission must hold a Law degree from an approved Law School in any part of the world, or must have been admitted to the practice of Law, and those having a working knowledge of the English and French languages will be given preference. All candidates must present evidence of the subjects covered in their prior Law studies and of their scholastic standing.

The course commences at the same date in each year as that fixed for the opening courses in the Faculty of Law. Application forms and curricula are available at the office of the Director in the Faculty of Law Building.

Students will be required to take the four courses listed below, which are prescribed. Others may be selected from courses given in the Law Faculty.

Public International Air Law

Private International Air Law

National Laws relating to Air Transport

The Regulation of Air Transport

(a) International Public Regulations Relating to Safety and Facilitation

(b) National Regulations

LIBRARY SCHOOL

Associate Professors	VERNON ROSS, *Director* VIRGINIA E. MURRAY
Assistant Professors	VIOLET COUGHLIN EFFIE ASTBURY
Visiting Lecturers	———

Requirements for admission are stated on page 2626.

COURSES FOR THE DEGREE OF MASTER OF LIBRARY SCIENCE

In addition to the thesis it will be necessary to take one required and the equivalent of two full elective courses. Electives may not all be available in any one year. Enquiries should be addressed to the Library School office. Limited travel funds for research and attendance at occasional seminars will be available at the discretion of the Director.

REQUIRED

A. Thesis.

B. Research methods in library science.

ELECTIVE

C. Canadiana; archival and historical materials, their care and use. (May be taken as full or half course.)

D. Documentation; the acquisition and retrieval of research material. (Half course.)

E. Government documents. (Half course.)

F. Serials. (Half course.)

G. Cataloguing and classification; problems and developments.

H. The library in the community; school, college, and adult education work.

I. Advanced reference methods and materials. (Half course.)

S. A special subject may be taken in another Department of the University provided that the candidate has the qualifications normally required for advanced work in that field. Special permission must first be obtained from the Dean, the Director of the School and the Chairman of the Department concerned.

DEPARTMENT OF MATHEMATICS

Professors	E. M. Rosenthall, *Chairman*
	Charles Fox
	H. W. E. Schwerdtfeger
	Herbert Tate
	C. D. Solin
	P. R. Wallace
Associate Professors	A. Evans
	G. Findlay
	I. Guttman
	H. Kaufman
	J. Lambek
	T. F. Morris
	B. A. Rattray
	R. T. Sharp
	W. A. O'N. Waugh
Assistant Professors	B. Aggarwala
	M. Herschorn
	S. Kahana
	A. Joffe
	D. Sussman
Lecturer	C. Costley

COURSES FOR THE DEGREE OF MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY

Applied Mathematics and Mathematical Physics

661. METHODS OF MATHEMATICAL PHYSICS. Introduction to the equations of mathematical physics, classification of differential equations, integral representations, the solution of problems of mathematical physics involving the Laplace, Poisson, and scalar and vector Helmholtz and wave equations; tensor calculus.

3 hours. *Professor Wallace*

Textbook: H. Feshbach and P. M. Morse, Methods of Theoretical Physics (Technology Press, M.I.T.).

662. QUANTUM MECHANICS. Basic theory of Quantum Mechanics. Treatment of special topics: theory of angular momentum, perturbation theory, scattering-theory, many-body problems. The Dirac Theory. Quantization of the electromagnetic field.

3 hours. *Professor Kahana*

Textbook: Landau and Lifshitz, Quantum Mechanics (Addison-Wesley). *References:* Schiff, Quantum Mechanics (McGraw-Hill); Dicke and Wittke, Quantum Mechanics (Addison-Wesley).

663. QUANTUM FIELD THEORY. Free quantized fields, interaction between fields, symmetrics and conservation laws, S-matrix, Feyman graphs, renormalization, dispersion relations, interactions and decays of elementary particles.

3 hours. *Professor Sharp*

References: Bogoliubov and Shirkov, Introduction to the Theory of of Quantized Fields (Interscience); Jauch and Rohrlich, Theory of Photons and Electrons (Addison-Wesley); Hamilton, Theory of Elementary Particles (Oxford); Bethe, de Hoffmann and Scheber, Mesons and Fields, Vol. I (Row, Peterson); Mandl, Introduction to Quantized Field Theory (Academic Press).

664. QUANTUM CHEMISTRY. Review of the principles of quantum mechanics, followed by application to problems of chemistry: the covalent bond, valency theory, molecular structure, molecular spectra, introduction to electron theory of crystals.

2 hours. *Professor Wallace*

References: U. Faus and L. Faus, Basic Physics of Atoms and Molecules (Wiley); Coulson, Valence (Oxford); Syrkin and Dyatkina, The Structure of Molecules (Buttherworth); Pitzer, Quantum Chemistry (Prentice-Hall); Kauzmann, Quantum Chemistry (Academic Press); Daudel, Moser and Lefebvre, Quantum Chemistry (North Holland).

665. STATISTICAL MECHANICS AND KINETIC THEORY OF MATTER (Physics 65). Classical and quantum statistical mechanics, with applications; statistical theories of the gaseous, liquid, and solid states, including kinetic theory of gases, Debye theory of specific heats, dieletrics, and magnetism, theory of strongly degenerate gases, Planck radiation law, electron theory of metals, Bose-Einstein condensation theory of liquid helium II.

2 hours. *Professor Morris*

Textbook: Lindsay, Physical Statistics (Wiley).

References: Mayer and Mayer, Statistical Mechanics (Wiley); Fowler, Statistical Mechanics (Cambridge); Tolman, Statistical Mechanics (Oxford); Schrodinger, Statistical Thermodynamics (Cambridge); Rice, Statistical Mechanics (Constable); Kennard, Kinetic Theory of Gases (McGraw-Hill); Loeb, Kinetic Theory of Gases (McGraw-Hill).

666. RELATIVITY. The special and general theories of relativity; gravitational theory; cosmology.

3 hours.

References: Moller, The Theory of Relativity (Oxford); Synge, Relativity, The Special Theory and Relativity, The General Theory (North Holland).

667. FLUID DYNAMICS. Equations of motion. Conformal transformations and complex potential theory. Airfoil theory. Vortex theory in two and three dimensions. Theory of viscous flow. Theory of boundary layer.

3 hours. *Professor Fox*

References: Milne-Thompson, Hydrodynamics (Macmillan); Streeter, Fluid Dynamics (McGraw-Hill).

668. ASTROPHYSICS. A survey of modern theories including stellar atmospheres, energy sources, stellar structure and evolution, Magnetohydrodynamics. Students will be expected to read and report on current literature.

2 hours. *Professor Morris*

References: Aller, The atmospheres of the sun and stars, Nuclear transformations, stellar interiors and nebulae (Ronald Press); Chandrasekhar, An introduction to the study of stellar structure (Dover).

669. SEMINAR IN APPLIED MATHEMATICS. Graduate students proceeding to an advanced degree with specialization in Applied Mathematics will be expected to attend and to participate in this seminar, which will be devoted to discussions of current research topics.

Professors Kahana, Morris and Wallace

670. THEORY OF THE SOLID STATE. The valence bond and types of crystalline binding; basis of the one-electron theory; motion of electrons in crystals; Brillouin Zones and Energy bonds. Theories of electric and thermal conductivity; thermoelectric and galvanomagnetic effects. Magnetic susceptibilities. Electron interactions, correlation energy, plasma oscillations. Lattice dynamics and electron-lattice interaction; modern theory of superconductivity.

3 hours. *Professor Wallace*

References: Wilson, Theory of Metals (Cambridge); Peierls, Modern Theory of Solids (Oxford); Wannier, Solid State Theory (Cambridge); Jones, Theory of Brillouin Zones and Electronic States in Crystals (North Holland); Slater, Electronic Structure in Solids (Reports of the Solid State and Molecular Theory Group, M.I.T.); Ziman, Electrons and Phonons (Oxford); Solid State Physics (review series, ed. F. Seitz and W. Turnbull, Academic Press).

671. THEORY OF MANY-BODY PROBLEMS. Modern topics in many-body problems, including field-theoretical methods. Applications to electron-electron and electron-phonon interactions in solids; plasmons. Application to nuclear collective oscillations and nuclear structure.

3 hours. *Professor Kahana*

Textbook: DeWitt, The Many-Body Problem (Wiley Press).

672. THEORETICAL NUCLEAR PHYSICS. The quantum mechanics of nuclear processes, including nuclear ground state properties, nuclear forces and the two-body interaction, nuclear structure and models, beta and gamma emission, nuclear reactions at low and high energies.

3 hours. *Professor Sharp*

References: Blatt and Weisskopf, Theoretical Nuclear Physics (Wiley); Mayer and Jensen, Introduction to the Theory of Nuclear Shell Structure (Wiley); Sachs, Nuclear Theory (Addison-Wesley).

673. MATHEMATICAL THEORY OF ELECTRICITY AND MAGNETISM. Theory of electrostatic charge and potential. Problems in two and three dimensional charge distribution. Application of Gauss, Green, and Stokes theorems. Electric currents and problems in networks. Magnetism and magnetic vector potentials. Problems in three dimensional magnetic distributions. Electromagnetic induction. Maxwell's field equations. Electromagnetic waves. Theory of the Retarded Potential. The postulates of special relativity, Lorentz transformations, field of a moving charge.

2 hours. *Professor Fox*

Text: William R. Smythe, Static and Dynamic Electricity (McGraw-Hill).

674. MATHEMATICAL THEORY OF ELASTICITY. Components of stress and strain. Equilibrium and compatibility equations, problems with boundary conditions. The use of polar co-ordinates and the complex variable in two dimensional problems. Strain-energy method and the principle of virtual work. Torsion of bars, shafts, and tubes. The use of polarized light, soap films, and membranes in solving problems of stress. The propagation of waves in elastic media. Waves of distation and distortion. Applications to problems of seismology.

2 hours. *Professor Fox*

Texts: S. Timoshenko, Theory of Elasticity (McGraw-Hill); A. E. H. Love, A Treatise on the Mathematical Theory of Elasticity (Cambridge University Press).

675. THEORETICAL HIGH ENERGY PHYSICS. The interpretation of pion-nucleon scattering, pion photoproduction and related topics in terms of the properties of the elementary particles and their interaction. The application of field theory and dispersion relations to the detailed results of the above interactions. The strange particles, their classification according to isotopic spin, associated production, and their interactions. Weak decays and the conservation laws.

2 hours. *Professor Lomon*

References: Bethe and de Hoffman, Mesons andFields II (Row Peterson, 1955); High Energy Nuclear Physics, Proceedings of the (recent) Annual Rochester Conferences (Interscience).

Algebra and Theory of Numbers

771. ALGEBRA. Simple properties of groups, modules with operators, algebras, fields, polynomials, factorization of polynomials, algebraic equations, finite extensions, splitting fields, Galois theory, solution of algebraic equations by radicals, solvable groups; Noether rings, valuation theory, p-adic numbers, ideal theory, cyclotomic fields, Fermat's theorem.

3 hours. *Professor Rosenthall*

Texts: Jacobson, Theory of Rings; Van der Waerden, Modern Algebra.

772. THEORY OF GROUPS. Axioms, homomorphisms, isomorphism theorems, Jordan-Hölder-Schreier theorem, Krull-Schmidt theorem, abelian groups free groups, solvable and nilpotent groups. Matrix representations, Maschke's theorem, theory of characters, modular representations.

3 hours. *Professor Findlay*

Texts: P. Hall, Theory of Groups (Macmillan); Kurosh, Theory of Groups; Zassenhaus, Theory of Groups.

772b. REPRESENTATION THEORY. General problems of representation theory, representation spaces, invariant spaces, reduction and decomposition. Theorems of Maschke-Wintner, Schur on full reducibility, structure of the group algebra for any characteristic, Wedderburn structure theorems, application to finite groups, structure of finite near fields, induced and produced representation, cohomology theory.

3 hours, second term. *Professor* ———

Prerequisite: Mathematics 772a.

Text: Van der Waerden, Modern Algebra.

773a. LATTICE THEORY AND UNIVERSAL ALGEBRA. Partially ordered sets, modular lattices, lattice ordered semigroups, theorems on normal series and direct decomposition for general algebraic systems.

3 hours, first term. *Professor Lambek*

773b. THEORY OF RINGS. Infinite abelian groups, rings and modules, tensor product, structure and representation of rings, rings of quotients, multiplicative ideal theory.

3 hours, second term. *Professor Findlay*

774a. FREE GROUPS. The course will include the material in Kurosh Vol. II, and also representation of free groups in free associative rings, the derivative, theorems on the lower central series, the study and application of free Lie Rings.

3 hours, first term. *Professor Burrow*

774b. LIE GROUPS. Topological groups, differentiable manifolds, Lie groups, classical groups, local isomorphism, one parameter subgroups, canonical coordinates, correspondence between Lie groups and Lie algebras, exterior differential forms.

3 hours, second term. *Professor Rattray*

Text: Chevalley, Lie Groups.

775. SEMINAR IN ALGEBRA. Topics selected to suit the class.

Professor Schwerdtfeger

776. ANALYTIC NUMBER THEORY. Arithmetical functions, elementary theory of the distribution of primes; proof of the prime number theorem, Dirichlet's theorem on number of primes in arithmetic progression; asymptotic and convergent formulas for the partition of n.

3 hours, one term. *Professor Rosenthall*

777. GEOMETRY OF NUMBERS. Minkowski's theorems on convex bodies; successive minima of gauge functions and their consequences; linear inequalities including Kronecker's general approximation theorem and products of linear forms; extrema of quadratic forms.

3 hours, one term. *Professor Rosenthall*

778. SEMINAR IN THEORY OF NUMBERS. Selected topics.

Analysis

780. ANALYSIS. Cardinal and ordinal numbers, the maximal principle; measure and integration, convergence theorems, absolute continuity, Lebesgue-Stieltjes measure and differentiation, product measures; Banach spaces, linear operators, dual spaces with examples, the Hahn-Banach theorem, Hilbert space.

3 hours. *Professor Fox*

781. COMPLEX VARIABLE. Cauchy's theorem, expansion in series and products, singularities, analytic continuation. Additional topics selected by the instructor.

3 hours, one term. *Professor Schwerdtfeger*

782. CALCULUS OF VARIATIONS. The first variation and the Eulerian characteristic equation, the second variation, Legendre's test and the theory of conjugate points; isoperimetrical problems; integrals with variable end points and Hilbert's integrals. Strong variations and the Weierstrassian E function. Hamilton's principle and the principle of least action.

3 hours. *Professor Fox*

783 FOURIER TRANSFORMS. Fourier, Laplace and Mellin transforms, applications to probability; generalized Fourier transforms, Watson and Bochner transforms; integral and dual integral equations.

3 hours, one term. *Professor Fox*

784. ANALYSIS ON GROUPS. Locally compact groups, Haar measure, group algebra, character group, Fourier transforms.

3 hours, one term. *Professors Burrow and Rattray*

785. BANACH ALGEBRAS. Topics selected from: the representation and structure of commutative Banach algebras, algebras with involution, H* algebras, von Neumann algebras; Krein-Milman theorem and applications.

3 hours, one term. *Dr. Costley*

786. SPECTRAL THEORY. Linear operators on Hilbert space; the spectral theorem and applications.

3 hours, one term. *Professor Evans*

789. ORDINARY DIFFERENTIAL EQUATIONS. Existence and uniqueness theorems; approximation methods, systems of equations; boundary and eigenvalue problems; stability theory.

3 hours, one term. *Professor Kaufman*

References: W. Hurewicz, Ordinary Differential Equations in the Real Domain (Brown University, 1943); E. A. Coddington and N. Levinson, Theory of Ordinary Differential Equations (McGraw-Hill, 1955).

790. PARTIAL DIFFERENTIAL EQUATIONS. Introduction to equations of elliptic, parabolic, and hyperbolic type; singular solutions, Green's function; application of Fourier series and integrals; variational methods.

3 hours, one term. *Professor Kaufman*

References: I. N. Sneddon, Elements of Partial Differential Equations; Courant-Hilbert, Methods of Mathematical Physics, Vol. II.

791. SPECIAL FUNCTIONS

3 hours, one term. *Professor Rosenthall*

792a. FOURIER SERIES AND APPROXIMATION. Approximation in function spaces; orthogonal sets of functions and general Fourier series; orthogonal polynomials; trigonometrical Fourier series; almost periodic functions.

3 hours, first term. *Professor Schwerdtfeger*

References: W. W. Rogosinski, Fourier Series; N. I. Achieser, Theory of Approximation.

792b. INTRODUCTION TO INTEGRAL EQUATIONS. Resumé of finite dimensional linear algebra; types of linear integral equations; Hilbert's theory; Schmidt's theory of the symmetric kernel; applications to boundary value problems of linear differential equations and to almost periodic functions.

3 hours, second term. *Professor Schwerdtfeger*

References: Courant and Hilbert, Methods of Mathematical Physics; F. Riesz and B. Sz. Nagy, Leçons d'analyse fonctionelle.

793. SEMINAR IN ANALYSIS. Selected topics in anylysis to suit the needs of the students.

Geometry and Topology

892. DIFFERENTIAL GEOMETRY. Classical local geometry of curves and surfaces. In particular. first and second fundamental forms, curvature of plane sections, mean and Gaussian curvature, geodesics. Global theory of curves and surfaces, Riemannian manifolds, tensor algebra, covariant differentiation, curvature tensors.

3 hours, one term. *Professor Rattray*

893. ANALYTIC AND SYNTHETIC PROJECTIVE GEOMETRY. This course will follow a classical presentation. Some of the topics emphasized are: perspectivity and projectivity, projective theorems relating to the conics, groups of linear transformations, correlations and polarities.

3 hours, one term. *Professor Tate*

894. ALGEBRAIC GEOMETRY. Quadratic surfaces, Grassman manifolds, higher curves; valuations, divisors; Riemann-Roch theorem, applications; De Rham theorem; harmonic integrals; multiplicity and local uniformisations; Riemann surfaces.

3 hours. *Professor Sussman*

References: C. Chevalley, Introduction to the Theory of Algebraic Functions of One Variable; Van der Waerden, Einführung in die algebraische Geometrie; Hodge and Pedoe, Algebraic Geometry I, II and III.

895. TOPOLOGY. Topological spaces and continuous functions; product, quotient and function spaces; compactness; uniform and metric spaces; Jordan curve theorem; dimension theory; fundamental group and covering spaces.

3 hours. *Professor Rattray*

References: N. Bourbaki, Topologie générale (Hermann); J. L. Kelley, General Topology (Van Nostrand); P. S. Aleksandrov, Combinatorial Topology, vol. 1 (Graylock).

896. SEMINAR IN GEOMETRY AND TOPOLOGY. Topics to suit the class.

Probability and Statistics

898. SEMINAR ON PROBABILITY. Selected topics including recent research in the theory of probability.

2 hours. *Prof.* ————

899. STOCHASTIC PROCESSES. Sums of random variables, recurrent events, renewal theory, Markhov chains and processes, simple non-Markovian processes.

2 hours. *Professor Joffe*

References: W. Feller, Introduction to Probability Theory and its Applications; Gnedenko and Kolmogorov, Limit distributions for sums of independent random variables.

Prerequisite: Mathematics 900.

900. PROBABILITY THEORY. Frequency distributions, basis of measure theory leading to definition of random variables and their expectations, product spaces, conditional probabilities, combination of events, elementary symmetric random walk.

2 hours. *Prof. Waugh*

References: W. Feller, Introduction to Probability Theory and its Applications; P. Halmos, Measure Theory.

Prerequisite: Mathematics 434.

901. ANALYSIS OF VARIANCE.

2 hours. *Professor* ————

Reference: H. Scheffé, Analysis of Variance (Wiley).

Prerequisite: Mathematics 903.

902. NON-PARAMETRIC STATISTICAL INFERENCE.

2 hours. *Professor Guttman*

Reference: D. A. S. Fraser, Non-Parametric Methods in Statistics (Wiley).

Prerequisite: Mathematics 903.

903. TESTS OF HYPOTHESES AND THEORY OF ESTIMATION.

2 hours. *Professor Guttman*

References: E. L. Lehmann, Testing Statistical Hypotheses (Wiley); E. L. Lehmann, Notes on the Theory of Estimation (California Book Store).

Prerequisite: Mathematics 433.

904. DESIGN OF EXPERIMENTS.

2 hours. *Professor* ————

References: Cochran and Cox, Experimental Designs (2nd Edition); H. Mann, Analysis and Design of Experiments (Dover).

Prerequisite: Mathematics 903.

905. SEMINAR IN MATHEMATICAL STATISTICS.

2 hours. *Professor* ————

906. THEORY OF GAMES AND LINEAR PROGRAMMING: Zero-sum two-person games; minimax theorem. Infinite games; n-person games. Duality theory of linear programming; computational methods including the simplex technique. Applications and recent developments.

3 hours. *Professor Kaufman*

History and Foundations

1001. MATHEMATICAL LOGIC. A formal treatment of logical systems such as the propositional calculus, quantification theory, formalized arithmetic and set theory, the calculus of lamda conversion, with emphasis on questions of consistency and completeness. The theory of recursive or computable functions is developed in detail and applied to the construction of undecidable statements in arithmetic, the theorems of Gödel and Church, the word problem in semi-groups.

3 hours. *Professor Lambek*

Reference: Kleene, Introduction to Metamathematics (Van Nostrand).

1002. MATHEMATICAL LINGUISTICS. Information theory, Zipf's law, mathematical syntax, mechanical translation of languages.

3 hours, one term. *Professor Lambek*

General Remarks

1. The following undergraduate mathematical courses may, in special circumstances, be taken for graduate credit:

Listed in the Arts and Science Announcement—

331 (Statics and Dynamics); 333 (Advanced Calculus); 334 (Differential Equations); 433 (Advanced Mathematical Statistics); 434 (Probability); 441 (Mathematical Physics); 442 (Algebra); 443 (Numerical Analysis); 444 (Analysis); 446a (Fluid Dynamics); 446b (Mathematical Theory of Electricity and Magnetism); 448b (Advanced Dynamics); 449b (Tensor Analysis).

1260 (Differential Equations); 1269 (Operational Calculus and Matrix Algebra); 1291 (Introduction to Probability and Statistics).

2. The attention of students taking the course for M.A. or M.Sc. is called to the University requirements described on pages 2623, 2624 and 2624 of this Announcement. Students seeking an M.A. or M.Sc. degree are required to pass in three approved full courses in mathematics and to participate in any assigned seminars, and to present an acceptable thesis. They may be required to submit to an examination on the subject matter of the thesis and the general background of the field of mathematics with which the thesis is concerned.

3. Attention is called to the evening courses leading to the degree of Master of Engineering, which are described in this Announcement under the Department of Electrical Engineering, and to other evening courses.

4. Owing to the increasing impact of Pure and Applied Mathematics upon a large variety of fields of study, attention is particularly called to the possibility of arranging a suitable programme of mathematical courses to meet the individual needs of graduate students majoring in fields other than those listed above.

5. The attention of students who contemplate working for a Ph.D. degree with Mathematics as a major subject is called to the University regulations on pages 2627-2631 of this Announcement. Properly qualified students may be admitted to candidacy for the Ph.D. in Pure Mathematics or in Applied Mathematics by the Graduate Committee of the Department with the approval of the Dean of the Faculty of Graduate Studies and Research. Except in very exceptional cases, students would be admitted to candidacy only after having completed the work for the Master's degree at McGill or elsewhere with distinction. The Ph.D. degree is awarded on the basis of the attainment of a good knowledge of mathematics in general and the writing of a thesis which definitely advances the subject which it treats.

The courses offered during the 1961-62 session will be selected from numbers 661 to 1001 and will be announced at the beginning of the session. The following courses were given during the 1960-61 session: 661, 662, 663, 665, 667, 668, 669, 670, 672, 675, 771, 773b, 775, 780, 793, 900, 903, 1001.

DEPARTMENT OF MECHANICAL ENGINEERING

Professors	WILLIAM BRUCE, *Chairman*
	D. L. MORDELL
	B. G. NEWMAN
Associate Professors	J. C. CHERNA
	A. R. EDIS
	J. W. STACHIEWICZ
	J. W. SWITHENBANK
	A. L. THOMPSON
	J. H. T. WU
Assistant Professor	S. S. HYDER

Advanced courses and laboratory facilities are offered for graduate study leading to the Diploma in Mechanical Engineering, to the Master of Engineering (M.Eng.) and the Doctor of Philosophy (Ph.D.) degrees in Mechanical Engineering, or to the Master of Science (M.Sc.) degree in Fluid Mechanics.

Graduate studies and research are at present being conducted in the fields of propulsion, fluid mechanics, heat transfer, dynamics of machines and mechanical design. Current problems deal with such matters as combustion and equilibrium flow in ram-jets for hypersonic propulsion systems; testing of high temperature materials for hypersonic propulsion systems; characteristics of air intakes at hypersonic speeds; design and construction of a shock tunnel; atomic re-combination in a propulsion nozzle; supersonic combustion; evaporation of water droplets in a supersonic high temperature air stream; high temperature measurement with a cooled thermometer; turbulence phenomena; characteristics of a low speed wind tunnel of special design; jet flow and deflection of jets by neighbouring boundaries and cross streams; two dimensional analogue of a ground effect machine; radial flow in a circular duct; wall jets in sub-sonic flow; coanda effect; heat transfer characteristics of porous materials, of finned surfaces and of the shell side of heat exchangers.

ADMISSION

The general rules of the Faculty apply. Candidates who come from other institutions are expected to have an academic background equivalent to the undergraduate curriculum in mechanical engineering at McGill or to make up any deficiencies in a qualifying year. The minimum academic standard for admission is normally a high second class standing. Applicants are requested to state in as much detail as possible their particular field of interest for graduate study.

REQUIREMENTS FOR THE GRADUATE DIPLOMA IN MECHANICAL ENGINEERING

A Graduate Diploma in fluid mechanics, aeronautics, propulsion, heat transfer, or mechanical design is offered for the successful completion of five courses at graduate level. Registration, courses and standards are the same as for the M.Eng. degree but there is no residence or thesis requirement. Courses are to be selected in consultation with the department. The various course groupings are listed below.

REQUIREMENTS FOR THE DEGREE MASTER OF ENGINEERING

Students are usually required to take courses G 504 and G 505, or their equivalent, together with the other courses which are necessary for progress in their selected field of research. Normally three other courses are required and are selected in consultation with the candidate's director of research. Selections are made from those listed below, from courses offered by other engineering departments or from cognate courses given in other faculties. A thesis describing the candidate's research is to be submitted in accordance with the rules of the Faculty and is the major requirement for the degree.

REQUIREMENTS FOR THE MASTER OF SCIENCE DEGREE IN FLUID MECHANICS

This degree is offered to enable holders of a Bachelor's degree (honours level) in mathematics or science to undertake research in fluid mechanics along engineering lines. The minimum academic standard for admission is normally a high second class standing. Courses are selected in consultation with the candidate's director of research. A thesis is to be submitted in accordance with the rules of the Faculty and is the major requirement for the degree.

REQUIREMENTS FOR THE PH.D. DEGREE IN MECHANICAL ENGINEERING

Candidates normally register for the Master's degree in the first instance. However in some cases where the research work is proceeding very satisfactorily (or where the equivalent of the M.Eng. degree has beeg completed at another university), candidates may be permitted to proceen directly to the Ph.D. degree without submitting a Master's thesis, as lond as they have satisfied the course requirements for the Master's degree. Ph.D. candidates are permitted to take other courses and must fulfill the language requirements as outlined in the general rules of the Faculty.

COURSES FOR HIGHER DEGREES

G504 SEMINAR

All candidates for higher degrees are required to participate and to deliver a paper dealing with their particular research.

G505 APPLIED MATHEMATICS

Beginning with a review of differential equations the course develops these mathematical techniques essential for the treatment of problems in vibration, elasticity, heat flow etc. which are of particular interest to mechanical engineers.

2 hours. *Professor Morris*
(*Department of Mathematics*)

Text: L. A. Pipes, Applied Mathematics for Engineers and Physicists, 2nd edition (McGraw-Hill).

G506 APPLICATIONS OF ADVANCED MATHEMATICS TO ENGINEERING DESIGN

Applications of Fourier series and transforms, vector and tensor analysis, partial differential equations, and approximate methods to problems in stress analysis, fluid dynamics, heat transfer, chemical diffusion, and vibration; elementary numerical analysis for use in electronic computers,

Prerequisite: Course G 505 or equivalent.

Text: A Bronwell, Advanced Mathematics in Physics and Engineering (McGraw-Hill).

References: Irving and Mullineux, Mathematics in Physics and Engineering (Academic Press); L. A. Pipes, Applied Mathematics for Engineers and Physicists; Margenau and Murphy, The Mathematics of Physics and Chemistry (Van Nostrand); Reddick and Miller, Advanced Mathematics for Engineers (Wiley); Current engineering and scientific literature.

2 hours. *Professor Hyder*

G510 ADVANCED MECHANICAL DESIGN

This course is concerned mainly with the analysis of design problems. The more complex aspects of stress and strain due to external and body forces and temperature effects are treated for certain special cases. Methods of approach are emphasized particularly.

References: Timoshenko, Strength of Materials Part II (McGraw-Hill); Durelli, Phillips and Tsao, Analysis of Stress and Strain (McGraw-Hill).

2 hours. *Professor Edis*

G511 AIRCRAFT STRUCTURES

General examination and calculation of properties of shell construction and redundant frames; application to actual wings, fuselages etc.; modern developments in materials and in fabrication methods such as plastics

and metal bonding; special problems such as landing gear energy, absorption strength, "shimmy" and its avoidance; engine mounting design; pressure cabins.

Text: Miles and Nevill, Airplane Structure (Wiley).

Reference: Bruhn, Analysis and Design of Aircraft Structures.

2 hours. *Professor Edis*

G518 GAS TURBINE DESIGN

Problems and design calculations dealing with gas turbines and their components.

2 hours. *Professor Mordell*

G519 GAS TURBINES

Introduction to the general theory of gas turbines and their major components, compressors, turbines, combustion chambers and heat exchangers. Special study is made of the problems of performance and control.

Text: Sorensen, Gas Turbines (Ronald Press).

References: Shepherd, An Introduction to the Gas Turbine (Constable); Current Literature.

2 hours. *Professor Mordell*

G520 HEAT TRANSFER

A study of more advanced topics in steady and transient heat flow by conduction, convection and radiation. Electrical analogue methods and new developments in heat transfer techniques will also be discussed.

References: Eckert and Drake, Transfer of Heat and Mass (McGraw-Hill); Schneider, Conduction (Addison and Wesley).

2 hours. *Professors Stachiewicz and Swithenbank*

G521 NUCLEAR ENGINEERING

The application of elementary nuclear physics is used to design a simple heterogenous reflected nuclear reactor up to the point of determining the critical size and the optimum fuel rod arrangement for stated conditions.

References: Gladstone, Principles of Nuclear Reactor Engineering (Van Nostrand); Stephenson, Introduction to Nuclear Engineering (McGraw-Hill).

2 hours. *Professor Edis*

G522 COMBUSTION

Ignition delay, flame speed and stability, scale effects, and experimental techniques in the combustion of gases, liquids and solids.

Prerequisite: Chemical Kinetics 982 or equivalent.

References: D. B. Spalding, Some Fundamentals in Combustion (Butterworth); Lewis and Von Elbe, Combustion, Flames and Explosions (Academic Press).

1 hour. *Professor Thompson*

G524 PROCESS HEAT TRANSFER

The design of industrial heat transfer equipment with special attention to the design of shell-and-tube heat exchangers, coolers, heaters, condensers, etc. for oil refineries, power plants and other industrial processes; also, the design of air and gas heat exchangers for gas turbines. The main stress will be on the thermal aspects of the design but mechanical features will also be discussed.

Text: Standards of Tubular Exchanger Manufacturer's Association.

References: McAdams, Heat Transmission (McGraw-Hill); Kern, Process Heat Transfer (McGraw-Hill).

2 hours. *Professor Stachiewicz*

G530 AERODYNAMICS: IDEAL FLUID THEORY

Fundamentals—Kinematics; equations of motion, vorticity and circulation; solutions of Laplace's equation; conformal mapping; steady and unsteady motion round simple bodies.

Application— Two-dimensional aerofoils; airscrews and ducted fans; low and high aspect ratio wings; wind tunnel interference. The course will be supplemented by demonstration and experiment in the laboratory.

Text: Glauert, Aerofoil and Airscrew Theory (Cambridge University Press).

References: Milne Thompson, Theoretical Hydrodynamics (Macmillan); Milne Thompson, Theoretical Aerodynamics (Macmillan); Lamb, Hydrodynamics (Dover); Vallentine, Applied Hydrodynamics (Butterworth); Robinson and Laurmann, Wind Theory (Cambridge University Press); Abbott and Von Doenhoff, Theory of Wing Sections (McGraw-Hill).

2 hours. *Professor Newman*

G531 AERODYNAMICS: VISCOUS FLOW AND BOUNDARY-LAYER THEORY

Navier-Stokes equations; exact solutions for laminar incompressible flow; laminar boundary-layer theory, exact and approximate methods; transition; turbulent boundary-layer theory, laws of wall and wake, approximate methods; extension to compressible flows; practical considerations including boundary-layer control, aerodynamic heating, shock-wave boundary-layer interaction and methods of measurement.

The course will be supplemented by demonstration and experiment in the laboratory.

Text: Schlichting, Boundary-Layer Theory (Pergamon Press).

References: Townsend, Structure of Turbulent Shear Flow (Cambridge University Press); Goldstein, Modern Developments in Fluid Dynamics, Vols. I and II (Oxford University Press); Shapiro, Compressible Fluid Flow, Vol. I (Ronald Press).

2 hours. *Professor Newman*

G532 HIGH SPEED AERODYNAMICS

Two-dimensional shock waves and expansions; two-dimensional supersonic aerofoil theory; unsteady one-dimensional flow; method of characteristics; hodograph methods; conical flow theory; finite wing theory; subsonic, transonic and supersonic similarity rules; experimental methods.

Text: Shapiro, Compressible Fluid Flow, Vol. I (Ronald Press).

References: Shapiro, Compressible Fluid Flow, Vol. II (Ronald Press); Liepmann and Roshko, Elements of Gas Dynamics (Wiley); Courant and Friedrichs, Supersonic Flow and Shock Waves (Interscience); Ferri, Elements of Aerodynamics of Supersonic Flow (Macmillan).

2 hours. *Professor Wu*

G533 HYPERSONIC FLOW

Definitions, real gas effects, hypersonic similarity rule, Newtonian theory, nozzle flow, normal and oblique shock relations, viscous flow, heat transfer, rarefied gas flow, research techniques.

2 hours. *Professor Swithenbank*

G540 PRODUCTION CONTROL ANALYSIS

Probability; frequency distribution; statistical analysis of production variables; tests of significance; correlation and regression analysis; sampling procedures; control charts; design of experiments; analysis of variance; operational research; linear programming.

Professor Hyder

G541 PRODUCT ENGINEERING

(a) Product design: product analysis and development; product differentiation; product simplification; standardization.

(b) Process planning: operation sequence and process coordination; selection and specification of processes, machines, tools and gauges.

Professor Cherna

G542 WORK AND METHOD STUDY

Analysis of methods, materials, tools and equipment used in the performance of work; determination of most economical method; standardization of method; determination of normal times; training of operators; principles of motion economy; multiple activity analysis; labour and machine utilization; work measurement; time study methods; predetermined time standards; motion element study; work simplication; job evaluation and standards; incentive plans; fatigue.

G543 PRODUCTION PLANT AND EQUIPMENT

(a) Production facilities: plant location analysis; selection of factory sites; design of factories; plant layout analysis and procedure; material handling fundamentals; factory services—power, heat, light, ventilation; industrial safety.

(b) Production equipment: machine tools and production equipment; jig and fixture design; special purpose machines; transfer machines; automation.

(c) Metrology and process control: fundamentals of measurement and gauging; methods of inspection; limits and fits; tolerances; process control instrumentation; automatic control; acceptance testing of machine tools for alignment and performance; component testing and inspection; maintenance.

G544 PRODUCTION PLANNING AND CONTROL

(a) Principal management functions and their coordination; production engineering in relation to other management functions.

(b) Production planning and control; production capacity; scheduling, machine loading; materials control; electronic data processing for production control.

(c) Production economics and cost control; measurement and control of productive efficiency; cost standards and cost control; budgeting for research, development and production; differentiated overhead calculations.

Other mathematics courses which may be taken for credit are:

Operational Calculus and Matric Algebra

Complex Variables with Engineering Applications.

Course Groupings for the Graduate Diploma in Mechanical Engineering.

Five courses at graduate level are required. Those marked * are essential, with two others selected from options which may vary from time to time. Whenever possible these courses will be made available in the Department of University Extension. All courses may not necessarily be given every year.

1. FLUID MECHANICS.
   - G505 Applied Mathematics
   - G506 Applications of Advanced Mathematics to Engineering Design
   - *G530 Ideal Fluid Theory
   - *G531 Viscous Flow and Boundary Layer Theory
   - *G532 High Speed Aerodynamics
   - G533 Hypersonic Flow
   - 62 Fluid Mechanics and Particle Dynamics (Dept. of Chemical Engineering).

2. AERONAUTICS.
   - G505 Applied Mathematics
   - G506 Applications of Advanced Mathematics to Engineering Design
   - *G511 Aircraft Structures
   - *G530 Ideal Fluid Theory
   - *G531 Viscous Flow and Boundary Layer Theory
   - G532 High Speed Aerodynamics
   - G533 Hypersonic Flow
     Stability and Control

3. PROPULSION.
   - G505 Applied Mathematics
   - G506 Applications of Advanced Mathematics to Engineering Design
   - *G518 Gas Turbine Design
   - *G519 Gas Turbines
   - G520 Heat Transfer
   - G521 Nuclear Engineering
   - G522 Combustion
   - G531 Viscous Flow and Boundary Layer Theory
   - *G533 Hypersonic Flow

4. HEAT TRANSFER.
   - G505 Applied Mathematics
   - G506 Applications of Advanced Mathematics to Engineering Design

*G520 Heat Transfer
G521 Nuclear Engineering
G522 Combustion
*G524 Process Heat Transfer
*G531 Viscous Flow and Boundary Layer Theory
Automatic Process Control (Dept. of Electrical Engineering).

5. MECHANICAL DESIGN.

G505 Applied Mathematics
*G506 Applications of Advanced Mathematics to Engineering Design
*G510 Advanced Mechanical Design
G521 Nuclear Engineering
*G524 Process Heat Transfer
G403 Feedback Control Systems
G421 Principles of Servomechanisms
Automatic Process Control
} Department of Electrical Engineering

6. PRODUCTION

*G540 Production Control Analysis
*G541 Product Engineering
*G542 Work and Method Study
Plus one of:
G543 Production Plant and Equipment
G544 Production Management, Control and Administration
Plus one of:
Personnel and Industrial Relations
Operations Research
Behaviour of Metals
Automatic Process Control
Industrial Noise Reduction
Industrial Psychology
Industrial Health and Hygiene

DEPARTMENT OF METALLURGICAL ENGINEERING

Professor	
Associate Professor	H. H. YATES
Assistant Professors	TALAT SALMAN
	W. M. WILLIAMS
	J. J. JONAS
Lecturer	G. W. SMITH

Adequate laboratory and library facilities are available for the courses listed below and for research.

All applicants for admission to advanced studies in the Department of Metallurgical Engineering are required to have fundamental training in Physical Chemistry and Chemical Thermodynamics, and applications of this training to metallurgical processes.

G601. UNIT PROCESSES IN EXTRACTIVE METALLURGY. Theoretical studies of selected processes for the smelting and refining of metals. Engineering applications of these processes will be considered. Reports will be assigned.

2 hours per week. *Professor Yates*

G602. HYDROMETALLURGY. The application of physical and chemical principles to hydrometallurgical processes.

2 hours per week. *Professor Yates*

G603. EXPERIMENTAL TECHNIQUES IN EXTRACTIVE METALLURGY. A study of the common techniques used for research in extractive metallurgy. The evaluation of results in terms of practical application is also considered. Some recent developments in the field are reviewed.

2 hours per week. *Professor Yates*

G611. PROPERTIES AND STRUCTURES OF METALS. Atomic structure; electron theory of metals in the solid state; theory of plastic deformation of metals applied to single crystals; phase transformation; recrystallization; creep; assigned reports.

2 hours per week. *Professor Williams*

G612. APPLIED X-RAYS. X-Ray diffraction methods and their application to chemical analysis, alloying, grain size determination, preferred orientations, deformation, annealing and single crystal studies; fluorescence analysis; introduction to radiography and micro-radiography.

4 hours per week, session. *Professor Williams*

G613. THE STRUCTURE OF METALS. The electron structure of metals. Dislocations and other imperfections in crystal structure. The influence of imperfections in deformation and annealing processes. The shapes of grains in single phase materials. Grain boundaries, their geometry, structure and energies. The influence of grain boundaries on metallurgical behaviour. Theoretical aspects of alloy microstructures. The relation of microstructure geometry to physical properties.

2 hours per week. *Professor Williams*

Prerequisites: G611 or its equivalent.

G614. TOPICS IN ADVANCED PHYSICAL METALLURGY. Topics selected from recent research in physical metallurgy. Solidification, zone refining, annealing, transformations and microstructure would be typical subjects for discussion.

2 hours per week. *Professor Williams*

G621. PLASTIC DEFORMATION PROCESSES. Mechanisms of plastic deformation; stress-strain relationship during deformation; structure and residual stresses in deformed metals; theories of hot and cold mechanical working (including rolling, forging, pressing, drawing, extruding and stamping).

2 hours per week. *Professor Jonas*

G631. PROCESS METALLURGY. This course is for candidates for the degree of Master of Science (Applied) in Geology. Extractive metallurgical processes with emphasis on the utilization and evaluation of ores and concentrates.

2 hours per week. ———

G641. MINERAL DRESSING. Physical treatment and recovery of valuable minerals in ores. The application of techniques embodying gravity concentration, magnetic separations, comminution and particle size determinations.

2 hours per week, session. *Professor Salman*

G642. MINERAL DRESSING. Mineral separations and recoveries by flotation. Studies of sorption processes and surface reactions.

2 hours per week, session. *Professor Salman*

A. Requirements for the degree of Master of Engineering in Metallurgical Engineering

Candidates for this degree must hold a recognized degree in Metallurgical Engineering or a related field as noted in the following paragraph, and complete the course requirements noted below.

Applicants holding a recognized Engineering degree in some related field can proceed to the Master's degree in Metallurgical Engineering by taking a qualifying year before being registered as degree candidates in the Faculty of Graduate Studies and Research. Students in this category must have their records appraised by the Department and a programme of studies outlined for the qualifying year.

Course Requirements

1. Two approved graduate courses in Metallurgy.
2. One course in Mathematics as required by the Department of Metallurgical Engineering.
3. Metallurgical Thesis.

B. Requirements for the degree of Master of Science in Metallurgy

Candidates for this degree must have had previous training in the basic sciences of chemistry or physics or both and hold a Bachelor of Science or equivalent degree. Students who hold a Bachelor of Science degree in Metallurgy or its equivalent may be able to proceed to the Master's degree in one year.

Students whose training is deficient will be required to take courses in Metallurgy and in cognate subjects in Chemistry and Physics during a qualifying year before being registered as degree candidates in the Faculty of Graduate Studies and Research.

Applicants for admission will have their academic records appraised by the Department of Metallurgy and a programme of studies will be outlined.

Course Requirements

The course requirements are the same as outlined for the degree of Master of Engineering.

Metallurgical Thesis

A thesis is to be submitted on research conducted in one of the following fields:

(a) Hydrometallurgy
(b) Mineral Dressing
(c) Pyrometallurgy
(d) Physical Metallurgy

DEPARTMENT OF METEOROLOGY

Professors	J. S. MARSHALL, *Chairman*
	F. K. HARE
Associate Professors	R. H. DOUGLAS
	W. F. HITSCHFELD
	SVENN ORVIG
Assistant Professor	B. W. BOVILLE
Special Lecturer	MICHAEL KWIZAK
Research Associate	E. VOWINCKEL

Entrance requirement for the M.Sc. program is a bachelor's degree with honours in Physics or Mathematics and Physics, or a bachelor's degree in Engineering Physics, with standing acceptable to the Department. The program consists of courses 51 to 57 inclusive, with research commencing after the sessional examinations and leading to a thesis, probably within seven months. Candidates with some postgraduate training or experience in meteorology may receive credit for this.

Students with a Master's degree in meteorology or equivalent qualification, again with standing acceptable to the Department, may register for the Ph.D. The ordinary requirements concerning thesis and preliminary examination will apply. The work consists principally of research with one of McGill's research groups: the Arctic Meteorology group active in dynamic and synoptic meteorology and climatology, and the Stormy Weather Group in physical meteorology, especially precipitation physics. The candidate will be required to attend research seminars and to take a small number of courses, in this or other departments, appropriate to him.

In addition to the following graduate courses, attention is drawn to courses 52 (Cloud Physics) and 53 (Weather Radar) in the Department of Physics and course 62 (Physical Climatology) in the Department of Geography.

51. DYNAMIC METEOROLOGY. The equations of motion. Linear perturbation theory. Stable and unstable waves. Circulation and vorticity development theorems. Mathematical models of the atmosphere; numerical integration. The general circulation: energy and momentum budgets.

2 hours. *Professor Boville*

Text: Haltiner and Martin, *Dynamical and Physical Meteorology*, (McGraw-Hill).

52. SYNOPTIC METEOROLOGY. A laboratory course to complement Dynamic Meteorology. The structure and behaviour of weather systems. Forecasting methods. Analysis of weather charts and cross sections. Prognosis by graphical and computer methods.

3 hours. *Professors Boville, Douglas and Orvig*

Reference Book: Petterssen, *Weather Analysis and Forecasting*, Volume I (McGraw-Hill).

53. NUMERICAL WEATHER PROCEDURES. Vorticity equation. Simple atmospheric models. Difference equations and iterative solutions. Programming of digital computers.

1 hour, including time at Computing Centre. *Mr. Kwizak*

54. THERMODYNAMICS AND RADIATION. Thermodynamics of the atmosphere; stability, instability. Adiabatic diagrams. Solar and terrestrial radiation. Radiation calculations; Elsasser's diagram. Effects in the upper atmosphere. Energy budget of the atmosphere.

2 hours. *Professor Hitschfeld*

Text: Haltiner and Martin, *Dynamical and Physical Meteorology* (McGraw-Hill).

55. PHYSICAL METEOROLOGY. Turbulence and diffusion; convection. Cloud-physical processes. Scattering and bending of electro-magnetic radiation. Radar meteorology. Atmospheric electricity. Severe storms.

2 hours. *Professor Douglas*

References: Sutton, *Micrometeorology* (McGraw-Hill); Scorer, *Natural Aerodynamics* (Pergamon Press); Mason, *Physics of Clouds* (Oxford); Battan, *Radar Meteorology* (Chicago).

56. CLIMATOLOGY. The general circulation of the atmosphere and the zonation of world climates. The statistics of climate. Climatic classification: methods of Köppen, Thornthwaite, and Budyko. Climate and hydrology: the moisture cycle, soils and vegetation as climatic factors. Climatic change.

2 hours. *Professor Orvig*

Text: B. Haurwitz and J. M. Austin, *Climatology* (McGraw-Hill).

References: C. E. P. Brooks and N. Carruthers, *Handbook of Statistical Methods in Meteorology* (H. M. Stationery Office, London); U.S. Department of Agriculture, *Climate and Man*, Yearbook of Agriculture 1941; M. I. Budyko, *The Heat Balance of the Earth's Surface*, U.S. Weather Bureau, translation from Russian.

57. STATISTICAL METHODS IN METEOROLOGY. Meteorologial variables. Properties of their frequency distributions. Analysis of variance. Correlation. Curve fitting. Time series; persistence; periodicity. Harmonic analysis.

1 hour. *Professors Douglas and Orvig*

Text: Brooks and Carruthers, *Handbook of Statistical Methods in Meteorology* (H.M. Stationery Office, London).

61. THE GENERAL CIRCULATION OF THE ATMOSPHERE. The general circulation as the time-averaged state of large-scale air motion. Theoretical questions; energy generation and dissipation, surface drag and momentum balance. Transport of heat, momentum and water vapour across latitudinal rings. Relation to motion on smaller scales, and to oceanic circulation.

2 hours. *Professors Hare and Boville*

DEPARTMENT OF MINING ENGINEERING AND APPLIED GEOPHYSICS

Professors R. G. K. MORRISON, *Chairman*
L. P. GELDART

Associate Professors TALAT SALMAN
V. A. SAULL
W. M. TELFORD

Library and laboratory facilities are available for postgraduate studies and research.

Applicants for admission to advanced studies must hold a Bachelor of Engineering or equivalent degree in Mining, Geology, Geophysics or related field, and should have obtained at least a high second class standing in their course work. Students whose qualifications do not meet these standards will be required to make up their deficiencies during a qualifying year before being registered as candidates for an advanced degree.

The requirements for the M.Eng. degree in Mining, Geophysics or Geology include a minimum of three full courses, research work and thesis.

Although considerable latitude is permitted in selecting lecture courses in other departments or faculties, the final selection must be approved by the Department. Normally, one or more of the following courses will be required.

784. MINE FINANCE AND COST CONTROL. A course given to fourth year Mining Engineering students, but available to postgraduates who have not taken it. Refer to the Announcement of the Faculty of Engineering.

2 lectures per week, second term. *Mr. R. S. Boire*

G702. COLLECTING BARGAINING SEMINAR. Refer to the Announcement of the Faculty of Arts and Science (Economics 442).

3 hours per week, session. *Professor H. D. Woods*

G703. MINERAL DRESSING. An advanced course covering—Amalgamation, Cyanidation, Gravity Concentration, Flotation, Roasting, and Leaching.

1 lecture and 6 hours laboratory per week, session. *Professor Salman*

G704. MINERAL DRESSING. An advanced course covering the application of mechanics to gravity concentration, of physical chemistry to flotation, of colloid chemistry to flotation and thickening and of elasticity and plasticity to comminution.

2 hours per week, session. *Professor Salman*

G705. ROCK MECHANICS I. A study of the effects of rock properties and ground stresses on problems of mine design.

2 hours per week, session. *Professors Morrison and Geldart*

G706. ROCK MECHANICS II. The application of the principles of soil mechanics and strength of materials to problems of ground control.

2 hours per week, alternative weeks. *Mr. D. F. Coates.*

G707. EARTH PHYSICS SEMINAR. Earth's gravity field, thermal history, internal structure; magnetic, electric and electromagnetic fields; tectonophysics, geochronology, selected topics in glaciology.

Professors Geldart, Saull, Telford

G708. ADVANCED GEOPHYSICS SEMINAR. Selected topics in recent theoretical and experimental work in applied geophysics, new instruments and techniques.

Professors Geldart and Telford

The thesis must be submitted on a suitable subject, normally under one of the following broad headings:

1. Rock Mechanics
2. Mining Methods
3. Applied Geology
4. Applied Geophysics
5. Mineral Economics
6. Mineral Dressing
7. Industrial Relations and Management

DEPARTMENT OF NEUROLOGY AND NEUROSURGERY

Chairman — THEODORE RASMUSSEN

Professors — HERBERT JASPER (*In charge of graduate research*)

K. A. C. ELLIOTT (*Biochemistry*)

WILLIAM FEINDEL

FRANCIS MCNAUGHTON (*In charge of undergraduate teaching*)

Associate Professors — ARTHUR ELVIDGE

DONALD MCRAE

PRESTON ROBB

Assistant Professors — GILLES BERTRAND

J. B. R. COSGROVE

HAROLD ELLIOTT

PETER GLOOR

DONALD LLOYD-SMITH

GORDON MATHIESON

BRENDA MILNER

REUBEN RABINOVITCH

WILLIAM TATLOW

Candidates for graduate degrees must first meet the general qualifications and requirements for admission to the Graduate School (for M.Sc. see page 2622, for Ph.D. see page 2627). Before registration each candidate must have a thesis plan accepted by the director of his research and by the professor in charge of graduate studies. Qualification for and permission to enter courses must be approved by (1) director of candidate's research, (2) course supervisor, and (3) professor in charge of graduate studies. In some cases a qualifying year will be required before admission as a candidate for a degree. Candidates for the Master's degree are required to pass satisfactory examinations in at least two out of four of the credit courses listed below, i.e., courses A, B, E, F, and G-1. Candidates for a Ph.D. degree are expected to pass four of these five credit courses. Under exceptional circumstances, other courses or qualifications may be substituted for credit at the discretion of the professor in charge of graduate studies. Attendance of at least one year at courses C, D, F-2, and G-2 is expected of candidates for the Ph.D. Attendance at two at least of these four courses is expected of candidates for the M.Sc.

Others may attend any or all courses, at the discretion of the supervisors, without registration in the Graduate School. Registration is obligatory if graduate credit is to be given.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY

A. NEUROANATOMY.

1. Participation as demonstrators in course Neurology and Neurosurgery 2A "Anatomy and Physiology of the Central Nervous System"—This course is listed under Anatomy and under Physiology as Course 2.
2. Graduate seminar in coordination with course B—"Seminar in Neurophysiology"—Mondays 4:30 to 6:00 p.m.
3. Preparation of a term paper on a neuroanatomical subject as arranged.
4. Advanced neuroanatomy for a selected group.

Professor McNaughton and Staff

B. NEUROPHYSIOLOGY.

1. Students are required to attend and pass a term examination in course Neurology and Neurosurgery 2A "Anatomy and Physiology of the Central Nervous System."
2. Weekly graduate seminars and demonstrations in neurophysiology and neurochemistry, coordinated with course A-2 and course E—December through May. Mondays 4:30 to 6:00 p.m.

3. Under exceptional circumstances, a paper on a neurophysiological subject may be written with special arrangements as a substitute for B-1. *Professors Jasper, Elliott and Gloor*

C. COLLOQUIUM IN CLINICAL NEUROLOGY

1 hour weekly, clinics and lectures, Wednesdays, 5 p.m. M.N.I. (9 months).
Staff and Visiting Lecturers

D. SEIZURE MECHANISMS AND CEREBRAL LOCALIZATION: CLINICAL, ELECTROENCEPHALOGRAPHIC, AND ROENTGENOGRAPHIC CONFERENCE

M.N.I. 1½ hours weekly (9 months). Tuesdays 4:00 to 5:30 p.m.
Professors Rasmussen, Jasper, McNaughton and McRae

E. OUTLINE OF NEUROCHEMISTRY

Instruction in neurochemistry in addition to that provided in Course B-2 may be obtained by special arrangement. *Professor Elliott*

F. NEUROPATHOLOGY

1. Six months laboratory work in neuropathology.
Professors Mathieson and Bertrand
2. Conference in neuropathology, Thursday, 4-5 p.m.
Professors Mathieson and Bertrand
3. Introduction to Histopathology of the Nervous System.
A short basic course for a limited number. By special arrangement With Professor Mathieson.

For graduate credit, courses Nos. 1 and 2 are required. Under special circumstances written and/or oral examinatione may be substituted for Nos. 1 and 3.

G. NEUROLOGICAL RADIOLOGY

1. Lecture demonstrations (3 months beginning in September), Mondays 4:30 to 6:00 p.m.
2. Colloquium, 1 hour weekly (9 months), Mondays 9:00 a.m.
Professor McRae

DEPARTMENT OF PARASITOLOGY

(Macdonald College)

Professor and Director	T. W. M. CAMERON
Associate Professors	D. FAIRBAIRN
	M. LAIRD
Assistant Professors	R. P. HARPUR
	G. A. SCHAD
	C. E. TANNER
Research Associates	E. MEEROVITCH
	G. A. WEBSTER

Candidates for both the M.Sc. and Ph.D. are required to possess the equivalent of an honours degree in biological science or a degree in veterinary or human medicine. Their curricula should have included general invertebrate Zoology (including Entomology), Organic Chemistry, and Biochemistry; elementary Physiology is also desirable.

Adequate laboratory and library facilities are available at the Institute of Parasitology for the courses listed below and for research.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE

Courses A, B, and C are required for this degree in addition to a thesis, the subject to be selected by the candidate with the approval of the Department.

A, B, and C comprise the main courses, but further courses may be chosen, depending on the research problem selected and the candidate's previous training.

COURSES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

Candidates must possess the equivalent of the M.Sc. (Parasitology), McGill. Candidates may (with the approval of the Department) study cognate subjects (such as Nutrition, Biochemistry, Medical Entomology, etc.). Such course work must be completed before the commencement of the final year of study.

A. A SYSTEMATIC STUDY OF THE ANIMAL PARASITES OF MAN, DOMESTIC, AND ECONOMIC ANIMALS

5 hours. *Professors Cameron and Laird*

B. PRACTICAL PARASITOLOGY

12 hours. *Professor Cameron and Staff*

C. FIELD WORK AND SEMINARS. Parasitological surveys. Collections in the field. Methods of control. *Staff*

DEPARTMENT OF PATHOLOGY

Professor	G. C. McMillan, *Chairman*
Associate Professors	W. H. Mathews
	A. C. Ritchie
	F. W. Wiglesworth
Assistant Professors	D. S. Kahn
	W. Pirozynski
	H. Sheldon

The Department offers adequate laboratory and library facilities in the Pathological Institute for morphological or experimental research and for the courses listed below leading to the degrees of Master of Science and Doctor of Philosophy in Pathology.

QUALIFICATION FOR ADMISSION

Candidates for graduate degrees in Pathology must hold the degree of Doctor of Medicine or its equivalent and must have attained high standing in the courses leading to this degree, especially in the preclinical scientific subjects.

Candidates whose previous graduate training in Pathology is judged to be inadequate, will be required to spend a qualifying year of work in the Department before proceeding to a graduate degree.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE AND DOCTOR OF PHILOSOPHY

A. RECENT ADVANCES IN PATHOLOGY

Lectures on selected subjects in Pathology.

Professor McMillan and Staff

B. COLLOQUIUM. Demonstration and discussion of current surgical and autopsy material from the routine pathological services of the Pathological Institute.

2 hours throughout the session. *Professor McMillan and Staff*

C. CONFERENCES. Conferences will be held at regular intervals with graduate students for the purpose of guiding their reading and investigative work and for the discussion of special problems arising from their research.

D. COGNATE SUBJECTS. Each student will be required to take certain courses in cognate subjects, the selection of which will depend upon the student's previous training and on the character of the research problem to be undertaken.

Any candidate for a graduate degree may be required to attend the undergraduate course in General Pathology and pass a comprehensive examination in this subject.

A candidate for the degree of Master of Science must take courses A, B, and C, and at least one cognate course. The remainder of his time is to be devoted to morphological or experimental research. The quality of the student's investigative work as embodied in his thesis will be the main consideration in recommending him for this degree.

For the degree of Doctor of Philosophy the candidate must take courses A, B, and C, throughout each year of study in addition to his research. Any cognate subjects required must be completed before the end of the second year.

The quality of the research work as embodied in the Ph.D. thesis will be the main consideration in the award of this degree.

DEPARTMENT OF PHARMACOLOGY

Professor	K. I. MELVILLE, *Chairman*
Associate Professor	B. G. BENFEY
Assistant Professors	N. R. EADE
	B. A. KOVACS

Adequate laboratory facilities are available for the courses listed below and for research.

QUALIFICATIONS FOR ADMISSION

Candidates for higher degrees in Pharmacology must hold an M.D. or B.Sc. degree, and must have attained a high standing in the courses in Pharmacology 1A and 1B, as given to medical students at McGill (or equivalent courses elsewhere). Candidates with a B.Sc. degree and with suitable preparation in Biochemistry and Physiology, are admitted to these undergraduate medical courses, during their qualifying year. See the Announcement of the Faculty of Medicine.

On application to the Chairman of the Department, a limited number of undergraduates pursuing the Honours B.Sc. curriculum in Biochemistry or Physiology, or with otherwise suitable preparation, may be admitted to these prerequisite courses in their Fourth year.

COURSES FOR THE DEGREE OF MASTER OF SCIENCE

2A. ADVANCED PHARMACOLOGY

1 lecture per week. This course deals with biological assays, actions of drugs on cellular mechanisms and relationships between chemical structure and pharmacological action.

2B. ADVANCED LABORATORY TECHNIQUES IN PHARMACOLOGY

Laboratory exercises and demonstrations, correlated with 2A.

COURSES FOR THE DEGREE OF DOCTOR OF PHILOSOPHY

3A. RECENT ADVANCES IN PHARMACOLOGY

1 hour weekly. Lectures on selected topics.

3B. SEMINAR

1 hour during the session, correlated with 3A, and dealing with problems related to the research interests of the graduate students and staff.

For each of the higher degrees, candidates may also be required to take courses in cognate subjects, as necessary.

The main interests of the Department at present concern various problems of cardiovascular pharmacology and the actions of drugs affecting the autonomic nervous system.

DEPARTMENT OF PHILOSOPHY

Professors	J. W. MILLER, *Chairman* T. G. HENDERSON R. KLIBANSKY
Associate Professors	CECIL CURRIE ALASTAIR MCKINNON
Lecturers	A. GOMBAY R. S. MCCALL J. D. ROSS

COURSES FOR THE DEGREE OF MASTER OF ARTS

*340. SEMINAR IN PHILOSOPHY. 2 hours.
The Philosophy of History. *Professor Currie*

*400. MORAL AND POLITICAL PHILOSOPHY. 2 hours.
First term: Advanced Ethics. *Professor Klibansky*
Second term: Philosophy of Politics. *Professor Klibansky*

*410. PROBLEMS OF LOGIC AND METAPHYSICS. 2 hours.
First term: Logic, Epistemology and Metaphysics. *Professor Miller*
Second term: The Metaphysics of Whitehead. *Professor Henderson*

*420. THE PHILOSOPHY OF KANT. 2 hours. *Professor Currie*

*430. RECENT AND CONTEMPORARY BRITISH PHILOSOPHY. 3 hours.
Bradley, Moore, Russell, Wittgenstein, and Ryle.
Messrs. Gombay, McCall, and Ross

*440. SEMINAR IN PHILOSOPHY. 2 hours.
1961-1962. Issues in Contemporary Philosophy.
Reading: *to be announced.* *The Staff*

*May also be taken by honours undergraduates.

Seminar courses will be offered in the special fields in which candidates are studying for their degrees.

Before entering upon his course of graduate studies, the student must have devoted two full years to Philosophy, and his competence in the subject should embrace the following:

(1) A general knowledge of the history of Greek philosophy and of modern philosophy.

(2) A systematic knowledge of the main philosophical disciplines: logic, ethics, epistemology, and metaphysics.

(3) A special knowledge of at least three of the great European thinkers.

Applicants for graduate study may be required to submit to an examination in order to determine their competence as above defined. They are strongly urged to take the Graduate Record Examination (see page 2611).

In special cases students may take relevant courses offered by the Institute of Islamic Studies.

DEPARTMENT OF PHYSICS

Professors	G. A. Woonton, *Chairman*
	R. E. Bell
	J. S. Marshall
	E. R. Pounder
Macdonald Fellow	J. S. Foster
Associate Professors	K. L. S. Gunn
	W. F. Hitschfeld
	W. M. Martin
	Anna I. McPherson
	F. R. Terroux
Assistant Professors	J. A. Carruthers
	M. P. Langleben
	J. F. Mathison
	E. J. Stansbury
	R. Stevenson
Lecturer	T. M. Kavanagh
Research Associate	A. L. Thompson

Adequate laboratory and library facilities are available for the courses listed below and for research in any of the main branches of physics. Equipment for investigations in nuclear physics, solid state physics, meteorological physics, ice physics, electrical measurements, and heat,

have been specially developed. An electron microscope and X-Ray Diffraction apparatus are available for collaboration in regard to problems in Chemistry and Biology. A well-equipped Radiation Laboratory for nuclear physics provides space for staff and over twenty graduate students. The hundred Mev McGill Synchro-cyclotron is housed in this laboratory. The Eaton Electronics Laboratory provides facilities for research and graduate training in the various branches of solid state and of electron physics and in it there is also accommodation for over twenty graduate students, in addition to staff. The Macdonald Physics Laboratory provides facilities and space for research by staff and by ten to fifteen graduate students. Upon request, the Secretary of the Department will provide prospective graduate students with a pamphlet on the Physics Department.

With the approval of the Chairman of this Department, qualified graduate students in physics may apply to take some of their required courses, and to undertake research, at Macdonald College, the remainder of their courses being taken at McGill University in Montreal.

COURSES AVAILABLE WHEN PHYSICS IS CHOSEN AS A COGNATE SUBJECT

Courses 33, 34, 35, 36, 40, 41, 42, 43b, 44a, 44b, 45, 46b, 48 and 49 are undergraduate honours courses prerequisite to graduate work in Physics; but they are open to graduate students (1) choosing Physics as a cognate subject, or (2) completing their entrance qualifications for graduate work in Physics.

33. ELECTRONIC CIRCUITS AND INSTRUMENTS (Half course). Theory and application of electronic devices with emphasis on the instruments used in scientific research.

1 hour; laboratory (33L), 2 hours. *Mr. J. E. Crawford*

Reference books: Terman, Electronic and Radio Engineering, 4th Ed. (McGraw-Hill); Cruft Laboratory Staff, Electronic Circuits and Tubes (McGraw-Hill); Valley and Wallman, Vacuum Tube Amplifiers (McGraw-Hill); Chance et al., Waveforms (McGraw-Hill).

34. HEAT AND THERMODYNAMICS (Fac. Eng. 1342) (Full course). Thermodynamic systems and variables. The zeroth, first and second laws. The thermodynamics of: heat engines; two-phase systems, including a statement of the third law; thermoelectricity; Joule-Thomson effect; thermionic emission; thermal radiation. Kinetic theory of gases, introduction to statistical mechanics.

2 hours per week. *Professor Hitschfeld*

Text: Sears, Introduction to Heat, Thermodynamics, Kinetic Theory and Statistical Mechanics (Addison-Wesley).

References: Zemansky, Heat and Thermodynamics (McGraw-Hill); Hoare, Textbook of Thermodynamics (Longmans Green); Sir James Jeans, Kinetic Theory of Gases (Cambridge University Press), Worthing and Halliday, Heat (Wiley).

35. INTRODUCTORY ATOMIC PHYSICS (Fac. Eng. 1362) (Full course). Conduction of electricity through gases. Production and properties of free electrons. Atomic structure, elementary quantum theory. X-radiation. Ion optics, optical and mass spectroscopy. Elementary solid state theory.

2 hours. *Professor Pounder*

Prerequisite: Physics 23, Mathematics 224 or 225.

Text: Wehr and Richards, Physics of the Atom (Addison-Wesley).

Reference books: Stranathan, The Particles of Modern Physics (Blakiston); Millman and Seeley, Electronics (McGraw-Hill); Richtmyer and Kennard, Introduction to Modern Physics (McGraw-Hill;) Peaslee, Elements of Atomic Physics (Prentice-Hall).

36. ADVANCED LIGHT (Fac. Eng. 1364) (Full Course). The essentials of geometrical and physical optics with advanced laboratory work. Electromagnetic theory, interference, diffraction, polarization, simple spectrum analysis, determination of fine structure of spectral lines, Zeeman effect, theory and use of optical apparatus (e.g., glass and quartz spectographs, Lummer plates, interferometers, and polarimeters).

First term; 2 hours. Second term: 1 hour. Laboratory (36L): 3 hours (session). *Professor McPherson*

Prerequisites: Physics 11, Mathematics 224 or 225.

Reference books: Morgan, Introduction to Geometrical and Physical Optics (McGraw-Hill); Robertson, Physical Optics (Van Nostrand); Wood, Physical Optics (Macmillan); Jenkins and White, Fundamentals of Optics (McGraw-Hill); Hardy and Perrin, The Principles of Optics (McGraw-Hill).

FOURTH YEAR COURSES

40. MODERN PHYSICS LABORATORY. Techniques of modern physics, e.g. vacuum systems and vacuum measurements. Determination of electronic charge and ratio e/m of charge to mass. Selected topics in modern physics are studied by laboratory measurements, e.g. X-ray absorption, paramagnetic susceptibility. The properties of solids. The study of radiations from radioactive elements.

3 hours. *Professors Martin and Terroux*

Prerequisites: Physics 23, 31, 35; Mathematics 333, 334.

41. MATHEMATICAL PHYSICS (Mathematics 441) (Fac. Eng. 1390) (Full course). Vibration problems, eigenfunctions and eigenvalues, sound waves, scattering problems. Fourier transforms and application to problems of heat conduction and diffusion. Introduction to statistical mechanics and wave mechanics.

3 hours. *Professor R. T. Sharp (Mathematics)*

Prerequisite: Mathematics 333.

Reference books: Margenau and Myrphy, The Mathematics of Physics and Chemistry (McGraw-Hill); Coulson, Waves (Oliver and Boyd); Lindsay, Concepts and Methods of Theoretical Physics (Van Nostrand); Joos, Theoretical Physics (Blackie); Somerfeld, Partial Differential Equations (Academic Press); Born, Atomic Physics (Blackie); Menzel, Mathematical Physics (Prentice-Hall).

42. ELECTROMAGNETIC THEORY (Fac. Eng. 1388) (Half course). General properties of a vector field; the electrostatic field in a vacuum and in material media; currents and their interactions; Maxwell's equations for stationary and moving media; energy, force and momentum in electromagnetic field; plane waves; the inhomogeneous wave equation; advanced and retarded potentials; the Lienard-Wiechert potentials; the field of a moving electron; radiation from an accelerated charge; difficulties in classical electon theory.

First term: 2 hours; Second term: 1 hour. *Professor Stevenson*

Prerequisites: Physics 23 and Mathematics 333, 334.

Reference books: Slater and Frank, Electromagnetism (McGraw-Hill); Stratton, Electromagnetic Theory (McGraw-Hill); Ramo and Whinnery, Fields and Waves in Modern Radio (Wiley); Panofsky and Phillips, Classical Electricity and Magnetism (Addison-Wesley); Lorentz, The Theory of the Electron (Dover).

43b. ATOMIC AND MOLECULAR STRUCTURE (Fac. Eng. 1382) (Half course). A concise and connected description of selected topics including recent investigations. Spectra and structure of one electron system; helium; multiplet structure and electron-spin; energy levels according to Dirac; Pauli principle and periodic classification; Zeeman and stark effects; Lamb-Rutherford experiment; hyperfine structure in hydrogen and radio-astronomy; molecular spectra and structure; calculation of ionization potentials; energy level shifts; simple molecular structures; nuclear spins and quadrupole moments.

Second term: 2 hours. *Professor Mathison*

Laboratory, see Physics 40.

Prerequisite: Physics 35.

Reference books: Herzberg, Atomic Spectra and Atomic Structure (Dover); White, Introduction to Atomic Spectra (McGraw-Hill); Series, Spectrum of Atomic Hydrogen (O.U.P.); Herzberg, Molecular Spectra and Molecular Structure, vol. 1 and 2 (Van Nostrand); Leighton, Principles of Modern Physics (McGraw-Hill).

44a. RADIOACTIVITY AND INTRODUCTORY NUCLEAR PHYSICS (Fac. Eng. 1392a) (Half course). The phenomena of radioactive disintegration and the laws of transformation of successive products; nature and properties of radiations; methods of detection and measurement; mechanisms of absorption and scattering; neutrons, positrons and the constitution of nuclei; artificial disintegration processes; fission and fusion.

First term: 2 hours. *Professor Terroux*

Laboratory, see Physics 40.

Prerequisite: Physics 35.

Reference books: Rutherford, Chadwick and Ellis, Radiations from Radioactive Substances (C.U.P.); Cork, Radioactivity and Nuclear Physics (Van Nostrand); Lapp and Andrews, Nuclear Radiation Physics (Prentice-Hall); Semat, Introduction to Atomic and Nuclear Physics (Rinehart); Kaplan, Nuclear Physics (Addison-Wesley).

44b. PARTICLES AND QUANTA OF MODERN PHYSICS (Fac. Eng. 1392b) (Half course). X-rays and γ-rays; sources, detection, wave-length and energy measurements; optical properties, X-ray spectra and atomic energy levels; bremstrahlung, absorption and scattering; high energy physics; cosmic rays, behaviour of very high energy particles and photons; experimental methods; the elementary particles; high energy accelerators.

Second term: 2 hours. *Professor Bell*

Laboratory, see Physics 40.

Note: Either half of this course, 44a or 44b may be taken by qualified students as a half course.

Prerequisite: Physics 35.

Reference books: Leighton, Principles of Modern Physics (McGraw-Hill); Peaslee, Elements of Atomic Physics (Prentice-Hall); Blackwood, Osgood and Ruark, An Outline of Atomic Physics (Wiley); White, Introduction to Atomic Spectra (McGraw-Hill); Evans, The Atomic Nucleus (McGraw-Hill).

45. WAVE MOTION AND QUANTUM PHYSICS (Full course). Vibrating strings and eigenvalue problems. Expansions in eigenfunctions. Wave equations in three dimensions, sound waves, scattering problems, scattering cross-sections. Potential problems, spherical harmonics. Formulations of quantum mechanics, operator representations, Heisenberg principle.

One-dimensional problems, rectangular potential functions, alpha-decay, harmonic oscillator. Three-dimensional potential well, hydrogen atom. Perturbation theory. Electron spin.

3 hours. *Professor Pounder*

Prerequisites: Physics 31, 35; Mathematics 333, 334.

46b. SOLID STATE PHYSICS (Half course). Waves in crystal lattices. The Bravais Lattice, Von Laue's treatment of X-ray diffraction, Bragg reflections, the reciprocal lattice, wave vectors, boundary conditions and Brillouin Zones. These ideas are applied to a study of lattice vibrations, leading to a discussion of specific heats of solids. The theory of electrical conduction in solids is sketched starting with the ideas of Lorentz, through Sommerfelt to the modern concepts of energy bands in solids.

Second term: 2 hours. *Professor Woonton*

Prerequisites: Physics 23, 31, 35; Mathematics 333, 334.

48. ELECTRICAL MEASUREMENTS (Half course). A.C. networks, and circuit theorems; dipole antenna theory; the theory and application of transmission lines including use of the Smith chart; the theory and application of wave-guides, including cavity-resonators; theoretical and practical aspects of noise, including Johnson noise, shot noise and performance of amplifier systems.

First term: 1 hour. Second term: 2 hours. *Professor Carruthers*

Laboratory: see Physics 49.

Prerequisites: Physics 23, 33; Mathematics 332 or 333.

Text: Scott, The Physics of Electricity and Magnetism (Wiley).

Reference books: Law, Electrical Measurements (McGraw-Hill); Hague, Alternating Current Bridge Methods (Pitman); Harnwell, Principles of Electricity and Electromagnetism (McGraw-Hill); Campbell and Childs, The Measurement of Inductance, Capacitance, and Frequency (Macmillan).

49. ADVANCED PHYSICS LABORATORY. Impedance measurements from audio frequencies to centimetre wavelengths; dielectric dispersion; magnetic measurements with application to the Hall effect and nuclear magnetic resonance; thermionic emission, slected topics in thermodynamics.

3 hours. *Professor Carruthers*

Prerequisites: Physics 23, 33; Mathematics 332 or 333.

Text: Michels, *Electrical Measurements and their Application* (Van Nostrand).

COURSES FOR STUDENTS PROCEEDING TO THE DEGREES OF M.A., M.Sc., OR Ph.D. IN PHYSICS

52. CLOUD PHYSICS. The development and precipitation of clouds in the atmosphere.

1 hour. *Professor Marshall*

References: Mason, Cloud Physics (Oxford U.P.).

53. WEATHER RADAR. The study of atmospheric processes by radar. Weather radar design and operation.

1 hour. *Professor Gunn*

References: Marshall, Hitschfeld and Gunn, Contribution in Advances in Geophysics, Vol. II (Academic Press); Battan, Radar Meteorology (Chicago U.P.).

60. DEVELOPMENTS IN NUCLEAR PHYSICS. Selected topics from among recent advances in nuclear and particle physics, covering experiments, their interpretation, and their background in nuclear models. The students will be expected to participate in the presentation.

2 hours. *Professor Bell*

(No assigned text-book.)

62. QUANTUM MECHANICS (Mathematics 662). Introduction to the ideas and methods of quantum theory, with illustrations from the simpler applications in atomic and nuclear physics.

2 hours. *Professor Pounder*

Note: Students proceeding to a higher degree in Mathematics are given an additional hour per week. This may be attended by any student taking the course.

Textbooks: Schiff, Introductory Quantum Mechanics (McGraw-Hill); Bohm, Quantum Theory (Prentice-Hall).

63. ADVANCED ELECTRICITY AND MAGNETISM. Advanced theory and problems concerning: Electrostatics—images, transformations, coefficients, properties of dielectrics. Current electricity—conduction in infinite solids, circuit theory, loci, non-linear elements, transients, applications of Heaviside's operational methods, Laplace transforms, determinants and matrices; power machinery and transformers. Electronic devices and circuits. Conduction in gases, associated devices and circuits. Magnetic effects and circuits. Elementary electromechanics; servomechanism fundamentals.

2 hours.

64. THERMODYNAMICS. Starting from a review of the foundations of thermodynamics according to Carathéodory, the relation of thermodynamics to statistical mechanics is developed. Thermostatistics is then applied to problems in information theory, and to provide an introduction to the quantum theory. Thermodynamics of irreversible processes. Radiation: theory and applications in the atmosphere.

First term: 2 hours. *Professor Hitschfeld*

General references: Chandrasekhar, Stellar Structure (Chicago U.P.); Hercus, Thermodynamics and Statistical Mechanics (Melbourne U.P.); Landé, Foundations of Quantum Theory (Yale U.P.); Bergmann, Heat and Quanta (Prentice-Hall); De Groot, Thermodynamics of Irreversible Processes (Interscience Publishers, New York); Johnson, Physical Meteorology (Technology Press); papers by Brillouin.

65. STATISTICAL MECHANICS AND KINETIC THEORY OF MATTER (Mathematics 665). A course in classical and quantum statistical mechanics with selected applications; statistical theories of the gaseous, liquid, and solid states.

Reference books: Mayer and Mayer, Statistical Mechanics (Wiley); Lindsay, Physical Statistics (Wiley); Fowler, Statistical Mechanics (C.U.P.); Schrödinger, Statistical Thermodynamics (C.U.P.); Rice, Statistical Mechanics (Constable, London); Kennard, Kinetic Theory of Gases (McGraw-Hill); Loeb, Kinetic Theory of Gases (McGraw-Hill).

2 hours. *Professor R. T. Sharp*

Note: Course 65 will be given in alternate sessions, 1959-60, etc.

66. PHYSICAL ELECTRONICS. In this course are discussed a group of topics related to current researches in solid state physics and in physical electronics: Selected topics in physics of crystals, diffraction of waves and particles, lattice vibrations; the theory of Dielectrics; the nature of Magnetism; Nuclear Magnetic Resonance; Paramagnetic Resonance; Conduction in Solids and in Semiconductors; Thermionic emission, Photo-electric emission.

2 hours. *Professor Woonton*

Reference Books: Stratton, Electromagnetic Theory (McGraw Hill); Bleaney and Bleaney, Electricity and Magnetism (Oxford University Press); Slater, Quantum Theory of Matter (McGraw-Hill); Slater, Chemical Physics (McGraw-Hill); Andrews, Nuclear Magnetic Resonance (Cambridge University Press); Gordy, Smith and Tarambulo, Microwave Spectroscopy (John Wiley); Shockley, Holes and Electrons in Semi-Conductors (Van Nostrand); Brillouin, Wave Propagation in Periodic Structures (Dover Publications); Wilson, Theory of Metals —2nd Edition (Cambridge University Press).

67. SEMINAR, NUCLEAR PHYSICS. Experimental nuclear physics from advanced undergraduate level to selected topics in current research.

2 hours. *Prof. Martin*

68. SEMINAR, GENERAL PHYSICS. This seminar, in which students are required to take an active part, will cover the range of topics in which those in attendance may be specializing.

2 hours. *Professor Marshall and Professor Pounder*

69. SEMINAR, PHYSICAL ELECTRONICS. Experimental solid state physics and physical electronics from advanced undergraduate level to selected topics in current research.

2 hours. *Professors Woonton and members of the Staff of the Eaton Laboratory*

75A, 75B, 75C. These are the reference numbers for the first three *Preliminary Ph.D. Examinations*, namely the *General Paper* (75A), the *Problem Paper* (75B), and the *Preliminary Oral* (75C).

76. Reference number of the *Special Paper* of the Preliminary Examinations. This paper covers the specific fields of Physics bearing on the research of the candidate.

81, 82, 83. RESEARCH. These are the reference numbers for registration of research requirements for M.Sc. and Ph.D. students. The respective numbers refer to the research work conducted in the minimum three years of progress towards the Ph.D. degree, as noted below.

A suitable selection of the above courses may be made by qualified students when Physics is taken as a partial or a cognate subject.

Requirements for Master's Degree and First Year Ph.D.: (a) Research 81, and M.Sc. thesis thereon. (b) Physics 62; (c) Two other courses to be chosen with the approval of the Supervisor of the student's research and the Chairman of the Department.

Second Year Ph.D.: (a) Research 82. (b) Preliminary Examinations in December. (c) Seminar 67, 68, or 69. One additional course in Physics, Mathematics, or cognate subject may be permitted, or required, with the approval of the Supervisor of the student's research, and of the Chairman.

Third Year Ph.D.: Completion of research 83, and Ph.D. thesis thereon. Final Oral. One course, examination optional, is also required.

For Ph.D. language requirements see page 2630.

Attendance at the Physical Society, seminars, and other scientific meetings, and the presentation of papers, form an important element in the training of graduate students.

DEPARTMENT OF PHYSICS

(Macdonald College)

Professor — WILLIAM ROWLES, *Chairman*

Assistant Professors — B. P. WARKENTIN; A. L. CARTER

The course below may form part of the required courses for graduate students in Physics (see page 2751), or may be taken by students in other departments as a cognate subject.

COURSE AVAILABLE TO GRADUATE STUDENTS

A. ADVANCED BIOPHYSICS

2 hours, second term. *Professor Rowles*

(*Given in 1961-62.*)

DEPARTMENT OF PHYSIOLOGY

Professors — F. C. MACINTOSH, *Chairman*; A. S. V. BURGEN; B. DELISLE BURNS

Associate Professor — KATHLEEN G. TERROUX

Assistant Professors — R. I. BIRKS; J. Q. BLISS; SIMON DWORKIN; R. P. GANNON; BERNICE GRAFSTEIN; E. J. REININGER; PAUL SEKELJ

Lecturers — CARL PINSKY; O. M. SOLANDT

Candidates who as undergraduates have satisfactorily completed the Honours Course in Physiology, or Biophysics, or Physics and Physiology, or Physiology and Psychology, may present themselves for examination

for the M.Sc. degree at the end of one year's graduate work in the Department. Others will usually have to spend a longer time in preparation, or take a qualifying year. Candidates for the Ph.D. degree must pass a general examination in Physiology, but will be judged principally by the ability they display in research. Candidates for either degree are expected to attend the graduate course listed below, and may be required also to pass certain advanced undergraduate courses in Physiology or related subjects.

The main research interests of the Department are at present the chemical and electrical behaviour of the nervous system and of secretory tissues, the release of physiologically active substances from tissues, the physiological implications of tissue specificity, cardiac output and blood-flow distribution, and the development of physical apparatus for medical and physiological research.

ADVANCED UNDERGRADUATE COURSES

41. ADVANCED GENERAL PHYSIOLOGY

3 hours lecture and 8 hours laboratory. (First term)

42. ADVANCED MAMMALIAN PHYSIOLOGY

3 hours lecture and 8 hours laboratory. (Second term)

43. PHYSIOLOGICAL INSTRUMENTATION

2 hours lecture and 3 hours laboratory.

44. SELECTED TOPICS IN PHYSIOLOGY

2 hours lecture, and experimental project.

GRADUATE COURSE

61. LECTURES ON SELECTED ADVANCED TOPICS. The subject matter varies from year to year.

1 hour.

PLANT PATHOLOGY

(Department of Entomology and Plant Pathology, Macdonald College)*

Professors	D. K. McE. KEVAN, *Chairman*
	W. E. SACKSTON
	J. G. COULSON (*Post-retirement*)
Associate Professor	R. L. PELLETIER
Assistant Professors	E. O. CALLEN
	R. H. ESTEY

*For Entomology, see page 2680.

A liberal interpretation is put on the term Plant Pathology. Adequate laboratory, greenhouse and library facilities are available for the courses listed below and for research. Students are recommended and may be required to take courses offered by the Department of Botany either as part of their major work or as cognate subjects. The Plant Pathology Laboratories are closely integrated with those of Entomology and advantage may be taken of this fact. Candidates for admission are advised that a general knowledge of the fundamental practices in agronomy and horticulture are desirable.

The courses consist of informal lectures, directed reading, laboratory work, special assignments, colloquia and discussions. Field work where appropriate or practicable may also be required. Formal lectures may be given from time to time and excursions arranged to places of interest. All members of the graduate school, while resident at Macdonald College, are expected to take an active part in all departmental seminars and themselves to address at least one seminar meeting during the session.

COURSES FOR HIGHER DEGREES

61. HISTORY OF PLANT PATHOLOGY
Half course, first or second term. *Professor Estey*

62. ADVANCED MYCOLOGY
Full course. *Professor Estey*

63. ADVANCED PLANT PATHOLOGY
Full course. *Professors Coulson, Pelletier, and Sackston*

64. PRINCIPLES OF PLANT PATHOLOGY
Full course. *Professors Coulson, Pelletier, and Sackston*

66. SEMINAR
One meeting weekly. *Professor Sackston and Staff*

68. NEMATOLOGY
At present given only by special arrangement.
Full or half course. *Professors Estey and Kevan*

69. TAXONOMY AND ECOLOGY OF ECONOMIC PLANTS
In addition to a general study of economically significant plants and taxonomic theory, this course involves the student in a special investigation of a selected group.
Full course. *Professor Callen*

BOTANY 61. ADVANCED PLANT PHYSIOLOGY

Full course. *Botany Department*

BOTANY 63. PLANT ECOLOGY

Full course. *Botany Department*

M.Sc. REQUIREMENTS

Candidates for admission must have had (1) satisfactory previous training in mathematics, physics, chemistry and biology; and (2) have obtained at least second class standing in the undergraduate courses in Plant Pathology given at Macdonald College, or their equivalent. For students who satisfy these conditions the minimum period of study is one year, for others two years, one of which may be a qualifying year in which advanced undergraduate courses are usually taken.

In addition to presenting a thesis the student shall take such courses and write such examinations as are deemed necessary by the chairman of the department in consultation with the director of the candidate's research. Normally this amounts to a minimum of two full courses (or their equivalent) in addition to Plant Pathology 61 and the Seminar.

The candidate will normally be expected to spend at least one summer season in full-time research at Macdonald College, or, under suitable direction, at some other approved institution.

Ph.D. REQUIREMENTS

Students who have obtained a high standing in the M.Sc. courses in Plant Pathology at McGill University or the equivalent (including M.Sc. in Botany, with a sound background in plant pathology), may proceed to the Ph.D. degree in two additional years. Qualified students holding a B.Sc. degree of high standing may register directly for the Ph.D. with the consent of the chairman of the department, but before being allowed to enter the second year, such students must pass an examination to determine their fitness to proceed.

In addition to presenting a thesis the candidate may be required to take such courses and pass such examinations as are decided upon in consultation with the chairman of the department and the director of his research. Normally no course work (other than Seminar) will be required during the final year and not usually more than two full courses (or their equivalent) during the preceding year for candidates already possessing an M.Sc. of McGill University or its equivalent. Candidates are required to take either Botany 61 or 63 (or their equivalent), if neither has been taken previously, but may also be advised to attend courses bearing on their research work at any time during their period of resident study.

Participation in seminars will be taken into consideration in the final assessment of the candidate.

The Preliminary Examination is normally conducted jointly with the Department of Botany.

Ph.D. candidates may be permitted to spend one of their three years of full-time graduate study at an approved university or research institution other than McGill University. The candidate may be required to spend the equivalent of two summer seasons in full-time research at Macdonald College or, under suitable direction, at some other approved institution.

Candidates for M.Sc. or Ph.D. degrees should indicate their fields of special interest before making formal application for admission. Facilities are available for research in most branches of plant pathology and related fields, but candidates with special problems should consult the chairman of the department in advance.

DEPARTMENT OF PSYCHIATRY

Professors
D. Ewen Cameron, *Chairman*
R. A. Cleghorn
A. E. Moll

Associate Professors
T. E. Dancey
V. A. Kral
H. E. Lehmann
A. W. MacLeod
R. B. Malmo
M. Saffran
T. L. Sourkes
Taylor Statten
E. D. Wittkower

Assistant Professors
Saul Albert
J. Aufreiter
H. Azima
M. K. Birmingham
T. J. Boag
Carlo Bos
H. Caplan
B. M. Cormier
J. F. Davis
P. G. Edgell
H. F. Ellenberger
N. B. Epstein
R. C. M. Hamilton
L. G. Hisey
H. B. M. Murphy
M. S. Rabinovitch
C. A. Roberts

COURSES FOR THE DEGREE OF MASTER OF SCIENCE IN PSYCHIATRY

Admission is restricted to candidates who hold an M.D. with good standing from an approved institution, and have adequate postgraduate experience in clinical psychiatry.

The length of the course cannot be less than one year, which must be spent in non-clinical research, the research subject and thesis topic to be approved beforehand by the Chairman of the Department of Psychiatry and the Dean of the Faculty of Graduate Studies and Research. If more than one year is required by the candidate, the portion of time in excess of one year must be spent mainly, though not exclusively, in research.

Adequate library and laboratory facilities are available in the Department of Psychiatry (Allan Memorial Institute) for the courses listed below and for research.

A. PSYCHIATRIC THEORY AND CONCEPTS
Ten seminars. *Professor Lehmann*

B. RESEARCH METHODOLOGY
Half course. *Professor Cleghorn*

C. STATISTICS
Half course. *Professor Davis*

D. PSYCHOPATHOLOGY
Ten seminars. *Dr. Z. J. Lipowski*

E. EPIDEMIOLOGY OF MENTAL ILLNESS
Ten seminars. *Professor Murphy*

F. RECENT ADVANCES IN PSYCHIATRIC THERAPY
Ten seminars. *Dr. L. Levy and Dr. P. Roper*

G. RECENT ADVANCES IN PSYCHIATRIC THEORY
Ten seminars. *Professor Ellenberger*

H. COGNATE SUBJECTS:

Each student will be required to take certain courses in cognate subjects, such as Psychology, Sociology, Endocrinology, and Neurology. These will be determined upon the basis of the special field of psychiatry in which the candidate's research work is being carried out.

DEPARTMENT OF PSYCHOLOGY

Professors	E. C. WEBSTER, *Chairman* G. A. FERGUSON D. O. HEBB
Associate Professors	DALBIR BINDRA W. E. LAMBERT R. B. MALMO P. M. MILNER
Assistant Professors	M. S. RABINOVITCH MURIEL STERN
Research Associates	M. P. BRYDEN R. C. GARDNER R. M. PRITCHARD P. M. ROWE
Lecturer	B. MILNER

APPLIED PSYCHOLOGY CENTRE

Professor	E. C. WEBSTER, *Director*
Associate Professor	E. G. POSER
Assistant Professor	V. DOUGLAS
Lecturers	C. W. ANDERSON G. DUFRESNE B. WIGDOR

Graduate work in the Department of Psychology follows two main lines: experimental-theoretical, including comparative, physiological, and social psychology, as well as statistical method, leading to M.A., M.Sc., and Ph.D. degrees; and applied psychology, chiefly in the industrial, clinical, and guidance fields, leading to M.Sc.(Appl.) and Ph.D. degrees.

No distinction in training is made between M.A. and M.Sc. degrees; which of these the candidate enrols for is determined by his Bachelor's degree (*i.e.*, B.A. is followed by M.A., B.Sc. by M.Sc.).

Admission to graduate work will depend on the estimate made by members of the department of the student's aptitude for original contributions to knowledge, or for professional contribution in the applied field. It will not depend merely on high marks made in course work, nor on the student's having taken a large number of courses in psychology. In addition to a biologically-oriented introductory course the student should have four full courses (each the equivalent of six semester-hours), including experimental, systematic (or theoretical) psychology, and some

knowledge of the historical development of modern ideas. Some knowledge of statistical method as applied to psychological problems (equivalent to an introductory course in this field) is essential.

Equally necessary are a knowledge of elementary physiology and of physics or chemistry, some comprehension of philosophical thought, and of modern developments in other social sciences. All students, no matter what kind of specialization is ultimately aimed at, are expected to have the same core of undergraduate training, equivalent to the Honours degree at McGill. The student who has not sufficient preparation, either in psychology or in the related subjects referred to above, but has shown promise of aptitude for advanced original work, can be accepted after the completion of a qualifying year.

Application should be made by March 1. Candidates must submit with their applications the results of the Miller Analogies Test. Those who are not at a centre where the Miller Analogies can be given should make arrangements for a special examination.

COURSES

51. TEST CONSTRUCTION
1½ hours.

52. APPRAISAL OF INTELLIGENCE
Use of Stanford-Binet and Wechsler tests primarily.
3 hours.

55. APPRAISAL OF PERSONALITY
Review of current methods of personality assessment.
3 hours.

56. EDUCATIONAL AND VOCATIONAL GUIDANCE
3 hours.

57. ABNORMAL PSYCHOLOGY
3 hours.

58. ADVANCED EDUCATIONAL PSYCHOLOGY
3 hours.

59. ADVANCED PERSONALITY APPRAISAL
3 hours.

61. ADVANCED STATISTICS. A didactic advanced course.
3 hours.

62. PSYCHOLOGICAL THEORY. Seminar designed as an introduction to other courses listed below.

3 hours.

63. SEMINAR IN ADVANCED EXPERIMENTAL PSYCHOLOGY

2 hours.

64. SEMINAR IN COMPARATIVE AND PHYSIOLOGICAL PSYCHOLOGY

2 hours.

65. SEMINAR IN DEVELOPMENTAL PSYCHOLOGY

2 hours.

66. SEMINAR IN SOCIAL PSYCHOLOGY

3 hours.

67. SEMINAR IN INDUSTRIAL PSYCHOLOGY

3 hours.

68. THEORY AND TECHNIQUES OF PSYCHOLOGICAL MEASUREMENT

2 hours.

69. SEMINAR IN PERSONALITY

2 hours.

71. FACTOR ANALYSIS

2 hours.

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70. Reference number for comprehension examination written by candidates for the M.A., or M.Sc. degree.

80. Reference number for comprehensive Preliminary Ph.D. examinations.

90. Reference number for comprehensive examinations of M.Sc. (Applied) students.

REQUIREMENTS FOR M.A. AND M.Sc. DEGREES

Candidates must demonstrate a sound knowledge of modern theory, of its historical development, and of the logic of statistical methods as used in psychological experiment. They will be expected to have an understanding of the main lines of current work in other than their own particular field of specialization.

All candidates must take courses 61, 62, and 70, and in addition any other course specified by the Department. The primary concern of the candidate, however, is his thesis. For this the exploratory work, at least, should get under way early in the year. Following presentation of the thesis, a comprehensive written or oral examination will be held which, in conjunction with the thesis itself, will determine the candidate's final standing for the degree.

REQUIREMENTS FOR THE Ph.D DEGREE

The candidate for the Ph.D. degree must demonstrate a broad scholarship, mastery of current theoretical issues in psychology and their historical development, and a detailed knowledge of his special field. Preliminary examinations will be held at two stages; one at the time of the Master's degree or immediately afterward, and one at the conclusion of the following year. These examinations may be written or oral, or both, at the discretion of the Department. They will cover three fields, as follows: (a) modern theoretical issues and history; (b) "experimental" (normal human adult) psychology and statistical methods; and (c) one from the following: comparative and physiological psychology; developmental psychology; social psychology and personality; learning and perception; advanced statistics; industrial psychology; clinical psychology.

REQUIREMENTS FOR THE M.Sc. (Appl.) DEGREE

The degree of M.Sc. (Appl.) in industrial, guidance, or clinical psychology is awarded to candidates who achieve a high standard of scholarship in psychology and who have demonstrated an aptitude for the professional application of psychological knowledge. The minimum time necessary to attain the degree is two years.

Individuals following this programme will normally spread some five or six courses over the two year period. During the summer they will work under approved supervision and, during the second year, two and a half days per week will be spent in approved interneship.

Award of the degree M.Sc. (Appl.) will be determined by the student's standing in course examinations, by his standing in a comprehensive examination or examination, and by the report of his supervisors concerning his fitness for professional work in psychology.

DEPARTMENT OF SOCIOLOGY AND ANTHROPOLOGY

Professor	William A. Westley, *Chairman*
Associate Professor	Aileen D. Ross
Assistant Professors	Frederick Elkin
	Jacob Fried
	Howard Roseborough
	David N. Solomon
	Toshio Yatsushiro
Lecturer	Silvia Lamb
Research Assistants	Rosalynd Baylin
	Agnes Fergusson

The Department of Sociology and Anthropology offers training leading to the Master of Arts degree. For admission to candidacy applicants must have a bachelor's degree based upon a record of at least second class standing. Candidates lacking sufficient preparation in Sociology and/or Anthropology will be assigned additional courses of study beyond those regularly required.

For the M.A. degree a minimum of one year of graduate study beyond the bachelor's degree is required. However, this minimum period of residence will be sufficient only for students who have, as undergraduates: (a) pursued a concentration in Sociology and/or Anthropology; (b) a record of at least second class standing; and (c) at least second class standing in courses in research techniques, in theories of social behavior, and in problems and concepts of both Sociology and Social Anthropology. Students who lack all of these requirements must register for one qualifying year in order to make up their deficiencies before they may pursue graduate training.

Candidates who have completed these requirements will be expected to devote the major part of their attention to the completion of a thesis. The exploratory work for the thesis should be undertaken early in the graduate year. In addition, candidates are required to register for three graduate seminars, in which they must achieve at least second class standing. The candidate's final standing for the M.A. degree is determined on the basis of his record in the seminars and the judgment by members of the Department of his thesis.

Candidates who must register for a qualifying year before pursuing graduate training are required to register for five and a half undergraduate courses, which they must pass with at least second class standing. These courses are Sociology 304, Sociology 403, Anthropology 313, Anthropology 412, Psychology 22a or 22b, and one other undergraduate course in Sociology or Anthropology. If the candidate shows evidence of sufficient preparation in some fields, the required number of courses may be reduced. For further information regarding the undergraduate courses in Sociology and Anthropology, candidates should consult the Announcement of the Faculty of Arts and Science.

A number of teaching and research assistantships are available to students in the Department. Students who wish to be considered for such assistantships should inform the Chairman of the Department.

SOCIOLOGY

The general requirements for the M.A. degree in the Department are stated on pages 2623 and 2770. The special requirements for the M.A. degree in Sociology follow:

In addition to the thesis, which is of major concern, candidates must register for, and pass with at least second class standing, the following graduates seminars: Sociology 610, 650, 710 and 720.

The Department encourages research in the following areas:

1. Social Stratification
2. Community Organization
3. Minority Group Relations
4. Mass Communications
5. Education and Socialization
6. Complex Organizations, such as the business firm, the hospital
7. The Sociology of the Family
8. The Sociology of Medicine
9. The Sociology of Work—occupations and professions
10. Economic Sociology.

COURSES OFFERED

301. ANALYSIS OF INDUSTRIAL SOCIETIES. Third year (Full course). Comparative treatment of the social systems of such modern industrial societies as the United States, Soviet Russia, England, Japan, and Canada. Categories of analysis include kinship, occupation, property, stratification, the organization of authority and major values.

3 hours. *Professor Roseborough*

302. MINORITY GROUPS AND THE COMMUNITY. Third year (Full course). The rise of modern urbanism; patterns and theories of urban growth; the participation of minority groups in urban institutions; the relation of minority groups to the class and caste structure; problems of upward and downward mobility; dominant group attitudes and ideologies concerning minority groups; the effect of minority group membership on the individual.

3 hours. *Professor Ross*

303. THE FAMILY AND SOCIALIZATION. Third year (Full course). The family will be studied as a primary group and as an institution. Attention will be given to trends in family organization, reactions to family crises, and the prediction of success and failure in marriage. Socialization will be studied from the perspective of social interaction. Attention will be given to theories of socialization; agencies such as the school, peer group, and mass media; and the varying patterns in social class, ethnic, and other societal sub-divisions.

3 hours. *Professors Westley and Elkin*

304. TECHNIQUES OF SOCIOLOGICAL RESEARCH. Third year (Full course). An introduction to the practical and theoretical problems of sociological research. Among the topics discussed are the formulation of research problems, the selection of samples, and the analysis and interpretation of data. Among the techniques are observation, interviewing, and questionnaire construction.

3 hours. *Professors Roseborough and Solomon*

360a. CRIMINOLOGY. Third or Fourth year (Half course). Theories of crime; social systems and their punitive practices; types of crime in modern society; the relationships between social power, the law, and crime; the slum community; the police; political crimes.

3 hours, first term. *Professor Westley*

(*Not given in 1961-62.*)

401. COLLECTIVE BEHAVIOR AND MASS COMMUNICATIONS. Fourth year (Full course). The nature of mass society; crowds, fashions, and other elementary forms of collective behaviour; social movements; social control, content, and influence of the press, movies, television, and other media of mass communication.

3 hours. *Professor Elkin*

402. SOCIOLOGY OF WORK. Fourth year (Full course). Work will be considered from two points of view: (A) the professions and other specialized occupations: occupational choice and mobility; types of careers; problems of achieving conformity to occupational norms; professional and trade associations; self-involvement in an occupation. (B) Industrial and other work organizations: formal and informal organization; roles of managers, executives, technical specialists, foremen, and workers; the concept and dynamics of bureaucracy; industry and society.

3 hours. *Professor Solomon*

403. THEORIES OF SOCIAL BEHAVIOUR. Fourth year (Full course). The first part of the course will focus on 19th and 20th century theories of the nature of society and the relationship between society and the individual. Special attention will be devoted to the development of systematic theory in sociology. The second part of the course will focus on sociological theories of personality with particular emphasis on the function of language and communication in social development.

3 hours. *Professors Roseborough and Westley*

411b. SOCIAL STRATIFICATION. Fourth year (Half course). The theory of caste and class divisions in modern society; the structure of class groups in the United States and Canada; the criteria of rank and the symbols

associated with rank; the relationship between occupation, education, and class position, problems of upward and downward mobility.

3 hours. *Professor Ross*

(*Not given in 1961-62.*)

440b. POPULATION AND MIGRATION. Fourth year (Half course). An examination of the population composition of selected societies, regions and communities. Attention is centered on techniques of population research and on the social determinants and consequences of population distribution and change.

3 hours. *Professor Roseborough*

(*Not given in 1961-62.*)

610. SEMINAR: SOCIAL COMMUNICATIONS AND PERSONALITY (Half course).

3 hours, one term. *Professor Ross*

650. SEMINAR: PROBLEMS IN METHODS OF RESEARCH (Half course).

3 hours, one term. *Professor Elkin*

710. SEMINAR: THE SOCIAL DIVISION OF LABOR (Full course).

3 hours, both terms. *Professors Roseborough and Solomon*

720. READING IN SOCIAL THEORY (Full course).

3 hours, both terms. *Staff*

ANTHROPOLOGY

The general requirements for the M.A. degree in the Department are stated on pages 2623 and 2770. The special requirements for the M.A. degree in Anthropology follow:

In addition to the thesis, which is of major concern, candidates must register for, and pass with at least second class standing, three graduate seminars.

The Department encourages research in the following areas:

1. North American Indians and Eskimo
2. Economic Development and Culture Change
3. Culture and Mental Health.

COURSES OFFERED

312. SURVEY OF PRIMITIVE AND NON-WESTERN CULTURES. Third or Fourth year (Full course). *First term:* Examination and comparison of primitive cultures throughout the world with particular emphasis on their technologies and values and their familial, educational, economic, religious,

and political systems. *Second term:* Intensive ethnographic study of the native Japanese, Hindu, and Chinese cultures in Asia, and two representative cultures from East and West Africa.

3 hours. *Professor Yatsushiro*

Texts: Service, *A Profile of Primitive Culture* (Harper); Benedict: *Patterns of Culture* (Mentor); One other text to be designated.

313. HUMAN CULTURE: ITS GROWTH, SPREAD, AND CHANGE. Third or Fourth year (Full course). *First term:* The nature of human culture; its evolution and diffusion from prehistoric times to the beginnings of recorded history. *Second term:* Analysis of the process, determinants, and principles of culture change, based on an examination of selected non-Western cultures. Attention is given to the cultural reorganization resulting from social and technological innovations and from contact with Western civilization.

3 hours. *Professor Yatsushiro*

Texts: Linton, *The Tree of Culture* (Knopf); Childe: *Man Makes Himself* (Mentor); Spicer, *Human Problems in Technological Change* (Russell Sage).

325b. THE CULTURE AND SOCIAL ORGANIZATION OF FRENCH CANADA. Third or Fourth year (Half course). The description and analysis of the culture and social organization of French Canadians in the Province of Quebec and of French-speaking groups in North America.

3 hours, second term.

(*Not given in 1961-62*).

412. SOCIAL AND CULTURAL ANTHROPOLOGY. Fourth year (Full course). *First term:* Historical review of theories in anthropology; analysis of the social organization of non-Western peoples and cultures. *Second term:* The patterning and integration of culture; ethos and value systems.

3 hours. *Professor Fried*

420a. CULTURE AND PERSONALITY. Third or Fourth year (Half course). The study of the cultural background of personality; the effects of socialization on personality formation in diverse types of cultures, primitive and modern; the relation of social structure and cultural values to personality dynamics.

3 hours, first term. *Professor Fried*

422b. PRIMITIVE ECONOMICS. Third or Fourth year (Half course). Analysis of the modes of production, exchange, and consumption of goods and services of selected non-Western societies; the relation of economics to

other aspects of culture; the values and motives underlying economic behaviour and the economic system.

3 hours, second term. *Professor Yatsushiro*

Text: Herskovits, *Economic Anthropology: A Study in Comparative Economics* (Knopf).

(*Given in 1961-62 and alternate years*).

426b. PRIMITIVE RELIGION. Third or Fourth year (Half course). The study of religious beliefs and practices in primitive and non-Western cultures, with special reference to the relationship of religion to economic, political, stratificational, and other aspects of cultural life. Magic, witchcraft, divination, shamanism, totemism, animism, animatism, ancestor worship, and other related topics are discussed.

3 hours, second term. *Professor Yatsushiro*

Text: Howells, *The Heathens: Primitive Man and His Religions* (Doubleday).

(*Given in 1962-63 and alternate years*).

600. SEMINAR: ADVANCED SOCIAL ANTHROPOLOGY (Full course).

3 hours, both terms. *Staff*

620. SEMINAR: ABORIGINAL POPULATIONS OF CANADA.

3 hours, one term. *Professor Fried*

630. SEMINAR: SOCIAL INSTITUTIONS OF FRENCH CANADA.

3 hours.

(*Not given in 1961-62.*)

730. READING AND RESEARCH (Full course).

3 hours, both terms. *Staff*

"SEMINAR ON THE PLEISTOCENE AND ARCTIC," see under Geography.

DEPARTMENT OF ZOOLOGY

Professors	JOHN STANLEY, *Chairman*
	N. J. BERRILL
	M. J. DUNBAR
Assistant Professors	JOHN MARSDEN
	M. A. GIBSON
Sessional Lecturer	A. CAMERON
Special Lecturer (Professor of Parasitology and Director of the Institute of Parasitology at Macdonald College)	T. W. M. CAMERON

Graduate students are expected to take such courses, including cognate courses in other departments, as relate to their particular line of specialization, if not previously taken. Qualifying students may be required to take up to five full courses, others will take from two or three in their first year to none in their last year. Primary emphasis for both the M.Sc. and Ph.D. is placed upon research and thesis presentation.

Ph.D. candidates will be required to write a comprehensive examination lasting six hours in February of their penultimate year. Copies of past papers are available in the Department.

The Department specializes in work bearing on developmental theories, embryology, histology, limnology, biomathematics, marine and Arctic biology, fresh water ecology.

Excellent laboratory and library facilities are available for research, including constant temperature equipment. The Blacker and Wood Zoological Libraries comprise over 50,000 volumes.

Students are accepted on the basis of a good Honours degree from a Canadian or British University, or on the basis of first class standing with a major in the biological field from an American or other University. Students applying on the basis of an Honours degree in the General Honours in the Biological Sciences course offered at McGill University should have at least a high second class, and should understand that they may have to spend additional time in fortifying their knowledge of zoology.

322a. EMBRYOLOGY. A half course on the analytical and experimental approaches to animal morphogenesis.

This course is complemental to Genetics 36b; when taken together they represent a full course on the problems of development and growth.

3 lectures a week, first term. *Professor Berrill*

324. ADVANCED INVERTEBRATE ZOOLOGY (*except* ARTHROPODA). A study of the comparative anatomy, taxonomy, development, evolution, and economic importance of invertebrate animals other than the Phylum *Arthropoda*. Graduate students will be expected to do additional work and reading.

2 lectures and 3 hours laboratory per week. *Professor Stanley*

Textbooks: Borradaille, Eastham, Potts, *The Invertebrata* (Macmillan); Pratt, *Manual of the Common Invertebrates* (Macmillan).

A laboratory manual is issued by the Department.

(*Offered in alternate years with Zoology 325. Offered in the session 1961-62.*)

325. THE ARTHROPODA. A study of the comparative anatomy, taxonomy, development, evolution, and economic importance of animals of the Phylum *Arthropoda*. Graduate students will be expected to do additional work and reading.

2 hours lectures and 3 hours laboratory per week. *Professor Stanley*

Textbooks: Borradaille, Eastham, Potts, *The Invertebrata* (Macmillan); Pratt, *Manual of the Common Invertebrates* (Macmillan).

A laboratory manual is issued by the Department.

(*Offered in alternate years with Zoology 324. Not offered in the session 1961-62.*)

431. HISTOLOGICAL TECHNIQUE (PRACTICE AND THEORY). Training in the making of various types of histological preparations, discussion of the theories involved, and interpretation of the results obtained.

1 hour lecture and 6 hours laboratory per week. *Professor Gibson*

Textbook: Carleton & Drury, *Histological Technique* (Oxford University Press).

Prerequisite: Zoology 322 (Second class standing).

332. ANIMAL ECOLOGY. A study of the inter-relations between animals, groups of animals, and their environments. The zoogeography of terrestrial, marine and fresh water populations; the analysis of the physical environment in all three divisions of the biosphere; migrations, emigrations, and other movements of animals, and the numerical behaviour of populations. Ecology and Evolution. Graduate students will be expected to do additional work and reading.

3 lectures per week. *Professor Dunbar*

435. APPLIED BIOMATHEMATICS. A study of mathematical theories of growth and form, mathematics as applied to the growth of populations; host-parasite relations, relative growth, radio-active tracers, etc. Graduate students will be expected to do additional work and reading.

2 lectures per week, first term; 1 per week, second term.

Professor Stanley

Prerequisite: A good working knowledge of the calculus.

337b. THE HISTORY OF BIOLOGY. A study of the development of scientific observation in biology, with emphasis on zoology, from the Sixth Century B.C. to the present day. The history of anatomy, comparative morphology, embryology, palaeontology, and ecology. Theories of the

relationships of animals, and parts of animals, and of their evolution. Philosophical history of biology. Biological expeditions. Graduate students will be expected to do additional work and reading.

3 lectures per week, second term. *Professor Dunbar*

Textbooks: Singer, *Short History of Biology* (H. K. Lewis); Nordenskiold, *History of Biology* (Tudor).

(*Offered in alternate years. Not offered in 1961-62.*)

343. LIMNOLOGY. A study of the fresh water environment and its organisms. The classification of inland waters, the physical, chemical and biological characteristics of lakes. Productivity of and evolutionary changes in lakes. Rivers, bogs, special types of lakes.

First term: 1 lecture a week with seminars and field trips.

Second term: 1 lecture a week with field trips when possible.

(*Not offered in 1961-62.*)

345. PHYSIOLOGICAL ZOOLOGY. A functional study of diverse mechanisms which have been evolved in different types of animals to carry on such basic activities of life as nutrition, water balance, nitrogen excretion, respiration, locomotion, stimulus reception, nervous and endocrine co-ordination.

3 hours lecture per week. *Professor Marsden*

Prerequisites: Zoology 211 or 221, and Physiology 21.

446. SYSTEMATIC AND EVOLUTION OF VERTEBRATES. A study of the present systematics of the vertebrate classes, presented in terms of their past histories since the periods of their first appearance. Zoogeography and general zoology of the vertebrates. The subject is approached from the ecological and anatomical points of view. Special attention is given to the mammals in the second term.

3 lectures per week. *Professor Dunbar and Dr. A. Cameron*

551. ARCTIC ZOOLOGICAL RESEARCH. A seminar course for graduate students designed to stimulate interest in zoological work and research in Arctic North America. The history of zoological work in the north, special problems, conservation and development, field methods. Introduction to the literature.

1 hour per week. *Professor Dunbar*

552. THE GROWTH OF POPULATIONS. A study of the works of Bailey, Crombie, Gause, Lotka, Malthus, Mendes, Nicholson, Salt, Stanley, Volterra, Weiner and others relative to mathematical theories of the growth of populations. A laboratory study of a population and analysis of the results.

Seminars, lectures and laboratory work equivalent to 2 hours lectures and 3 hours laboratory per week for 2 terms. *Professor Stanley*

Prerequisite: Zoology 435 and ready familiarity with calculus, differential equations, theory of equations, etc.

553. MARINE BIOLOGY. A study of the fundamentals of, and methods in, marine biology (including physical oceanography). An introduction to the literature.

1 hour per week. *Professors Berrill and Dunbar*

LIBRARIES

All resident graduate students have access to the Redpath Library, containing over 500,000 volumes. The building also houses a number of special collections, such as the Blacker Library of Zoology. The Libraries of Engineering and of Medicine are housed in the Engineering and Medical buildings; the latter includes much of the material for the medical sciences, and a separate room contains the Osler Library, devoted principally to medical history. There are special libraries for Commerce and Law and at Macdonald College. A number of departments maintain special libraries, of which the most extensive are in Chemistry, Geology, and Physics, grouped together in the Physical Sciences Centre. All of these collections may be consulted by resident graduate students, though the hours for reading and the conditions under which books may be consulted or borrowed are not the same in all cases.

Library School
1961-1962

McGill University

Montreal

Library School

1961-1962

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture and School of Household Science)
Institute of Education
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. For limited distribution.)

The Calendar (available for distribution only to libraries and officials of certain institutions.)

Library School

The Library School is under the administrative jurisdiction of the Faculty of Arts and Science.

ADMINISTRATIVE OFFICERS OF THE UNIVERSITY

F. Cyril James, Chevalier de la Légion d'Honneur, Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

D. L. Thomson, Ph.D., LL.D., D.Sc., F.C.I.C., F.R.S.C. — *Vice Princial and Dean, Faculty of Graduate Studies and Research*

H. N. Fieldhouse, M.A., F.R.S.C. F.I.A.L. — *Dean, Faculty of Arts and Science*

John H. Holton, B.Com. — *Secretary of the Board of Governors*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

G. A. Grimson, B.Com. — *Comptroller*

D. C. Bain, B.A. — *Chief Accountant*

LIBRARY SCHOOL STAFF*

Vernon Ross, B.S. in L.S. (Columbia), M.A.
Director of the Library School and Associate Professor of Library Science

Virginia Murray, B.L.S., M.A. (Columbia) — *Associate Professor*

Effie Astbury, B.A., B.L.S., M.L.S. (Toronto) — *Assistant Professor*

Violet Coughlin (Mrs. Erroll), B.Sc., B.L.S., M.A. (Columbia)
Assistant Professor

Beryl L. Anderson, B.L.S., M.A. (Dalhousie) — *Lecturer*

Richard Pennington, B.A. (Birmingham), Lib.Dipl. (Lond.)
Librarian, McGill University, and Sessional Lecturer

Grace E. De Jong (Mrs. John H.) — *Secretary*

**Degrees received from McGill University carry no institutional designation.*

CALENDAR

1961

September 18, Monday. Students register in the Library School.

September 19, Tuesday. Lectures begin in the Library School.

December 20, Wednesday. Last day of lectures.

1962

January 4, Thursday. Lectures resume in the Library School.

January 15, Monday to January 19, Friday. Examinations in the Library School.

January 22, Monday. Second term begins in the Library School.

April 20, Friday, to April 23, Monday. Easter Vacation.

May 4, Friday. Lectures end in the Library School.

May 9, Wednesday, to May 17, Thursday. Examinations in Library School.

May 30, Wednesday. Convocation.

Dates to be announced: Library School trip. Field work.

Special dates for M.L.S. *students:* see page 3018.

McGill University

LIBRARY SCHOOL

GENERAL

McGill University was the first institution in Canada to provide library training and the first to grant the degree in library science. Short summer courses were given from 1904-1927, the first regular sessional course being given in 1927-28. The School was accredited by the Board of Education for Librarianship of the American Library Association and the B.L.S. (5th year) degree was first conferred in May, 1931. In 1957 the School was reaccredited as a graduate library school by the Committee on Accreditation of the American Library Association, and it is listed with the American library schools which give the M.L.S. (5th year) degree. The McGill M.L.S. is given after a 6th year of study and is a research degree for advanced graduate work only. It is open to experienced librarians who already hold a 5th year B.L.S. or a 5th year M.L.S. For description see page 3016.

University graduates are trained for professional library work of all kinds—in university and college, public, school, children's, and special libraries. The school is situated in a large city in which are to be found all types of library and it is a part of a university with a tradition of sound scholarship. It occupies rooms in the main University Library building and its students have access to the stacks of the University Library.

DEGREE OF BACHELOR OF LIBRARY SCIENCE

Candidates who successfully complete all the required work of the School are entitled to receive the degree of Bachelor of Library Science (B.L.S.) at the May Convocation and to wear the regulation black Bachelor's gown and a Bachelor's hood of black, lined with burnt orange silk and trimmed with white rabbit fur. Academic costume for graduation may be rented from the University.

REQUIREMENTS FOR ADMISSION

1. Applicants for admission to the course leading to the degree of Bachelor of Library Science must have a Bachelor's degree from an approved University. This degree must represent *four years of study at a university beyond the McGill Matriculation requirement or its equivalent.*

The School will take into account the character of the applicant's undergraduate studies and his, or her, suitability for library work. Courses in the *humanities, sciences, and social studies* are preferred as forming a suitable basis for subsequent training in library work, and it is expected that the applicant's academic grades shall have been better than average. Students whose undergraduate courses are unsuitable as a preliminary to Library School work may be required to undertake some supplementary preparation.

2. Applicants over thirty-five years of age will be considered for admission only in exceptional cases. They are at a disadvantage when applying for a position and frequently find intensive study difficult. Exceptions may be made for those having several years of experience in library work.

3. As no one with *serious physical defects, personality difficulties, or ill health* can readily obtain a position in library service, such persons should not seek admission to the School.

4. Application forms may be obtained from the Library School and, when completed, should be returned with a recent photograph passport size. Official transcripts of the applicant's university record must also be supplied.

5. Students are advised to learn to use a typewriter before entering, since a large part of the work done must be in typewritten form.

6. Applicants without previous experience are strongly advised to work in a library before taking the course.

EMPLOYMENT

While the School does not guarantee positions to graduates and will not recommend any with less than a "B" average, it makes an effort to help its graduates find suitable positions. Complete records are kept in the Library School files, and letters of reference are sent to prospective employers on request. Graduates may obtain transcripts of their academic record by applying to the Registrar's Office.

Any graduate of an approved university who also has successfully completed the degree of Bachelor of Library Science at McGill University will be entitled without further examination to the Specialist's certificate which is issued to Librarians serving in the Protestant High Schools of the Province of Quebec.

MEDICAL EXAMINATION

1. HEALTH CERTIFICATE

Students when applying must present a certificate of health on a form which may be obtained from the School and which should be filled in and signed by a physician.

2. VACCINATION

All students entering the University are required by the Provincial Board of Health to present a certificate, or other satisfactory evidence, of successful vaccination within seven years, or of insusceptibility to vaccine within five years, failing which they must immediately be vaccinated in a manner satisfactory to the Medical Examiner.

3. MEDICAL EXAMINATION

To promote their physical welfare, all men and women in the University are required to be medically examined at the beginning of the session

REGISTRATION AND ATTENDANCE

REGISTRATION

Students in the Library School are required to present themselves at the office of the Library School on Monday, September 18th, preceding the commencement of lectures, in order to furnish the information necessary for the University records.

ATTENDANCE

1. Students are required to attend at least seven eighths of the total number of lectures or laboratory periods in any one course.

2. Excuses for absence on account of illness or domestic affliction are dealt with only by the Director of the School. Medical certificates covering absences must be presented by the student immediately after his return.

3. Those whose unexcused absences exceed one eighth of the total number of lectures in a course are not permitted to take the regular examination in that course; and those whose unexcused absences have exceeded one fourth of the total number of lectures must repeat the work in that course for credit.

EXAMINATIONS AND MARKS

Final marks are based on the term's work and the examinations. The pass mark is 65%.

No student will be permitted to sit for the examinations unless he, or she, has fulfilled the requirements of the course to the satisfaction of the Instructor and the Director. Students whose progress is unsatisfactory may be asked to withdraw from the School.

FEES AND EXPENSES

1. FEES

The University reserves the right to make changes without notice in the published scale of fees if, in the opinion of the Board of Governors, circumstances so require. Fees are not refundable, except under special conditions as described in the regulations concerning remission of fees in the General Information Pamphlet.

(*a*) *Regular students*

Fees are due and payable at the Accounting Office on or before September 19th. If paid in two instalments the second shall be paid on or before January 15th. Instalment fee $5.00. A late fee of $2.00 is charged for payment after the specified dates, and no days of grace are allowed.

Fee for the Library Course $425.00

By instalments:

First instalment 187.50

Second instalment 237.50

These fees include registration, instruction, (including Library Visits) the use of the Library, health service, athletics, students' activities, and graduation diploma.

Fee for each supplemental examination 10.00

(*b*) *Partial students*

Information concerning fees for such courses may be obtained from the Secretary of the School.

(*c*) *Arrears*

Immediately after September 19th (or January 15th in the case of students who pay by instalments), the Chief Accountant will send to the Director of the School a list of registered students who have not paid their fees. Such students cannot be re-admitted to classes until a satisfactory arrangement has been made with the Chief Accountant.

2. TEXTBOOKS AND MATERIALS

Students should allow at least $45 for text books. These are available from the University Book Store and the Library School. Blank forms,

cataloguing cards, and other library supplies needed during the session may be obtained from the Secretary of the School.

3. LIBRARY VISITS

A visit, under the direction of members of the Faculty, to libraries in other Canadian cities is a required part of the Library course. (See 1*a* above.)

4. BOARD AND RESIDENCE

Information regarding accommodation may be found in the enclosed booklet of General Information.

5. CLUBS AND SOCIETIES

Students are encouraged to take advantage of the privileges offered to members of the Canadian Library Association, the Quebec Library Association, the Special Libraries Association, and the American Library Association. Women students of the School are eligible for membership in the University Women's Club, 3492 Peel Street, in the immediate neighbourhood of the School.

SCHOLARSHIPS

1. Two annual scholarships of $400 each in honour of *Dr. G. R. Lomer*, former Director of the Library School.
2. *The Grolier Society Scholarship*, $250.
3. The *Ethelwyn M. Crossley Scholarship Fund*, founded in honour of a former student of the school. Women students are given preference.
4. The *Elizabeth G. Hall Scholarship Fund*, founded in memory of a former member of the McGill University Library staff.
5. *McGill University Library School Alumni Scholarship Fund.*
6. The *H. W. Wilson Foundation*, two scholarships, $500 each.

These awards are made, after due investigation and recommendation, to deserving students who require financial assistance to take the course. Application should be made to the Director of the School.

See also the list of scholarships and bursaries and the regulations governing the various loan funds given in the Announcement of Scholarships, Bursaries, and Loan Funds which may be obtained from the Registrar's Office.

PARTIAL STUDENTS

Qualified students who are not candidates for the degree may be admitted to individual courses as partial students. Before registration such students must satisfy the staff of the School of their ability to follow the courses selected, and they must fulfil all requirements of classroom work and tests prescribed for regular students of these courses.

SPECIAL LECTURES

The students have the benefit of occasional special lectures from visiting librarians or local specialists. The programme for a recent session included lectures by: Dr. Wm. Kaye Lamb, National Librarian and Dominion Archivist; Sir Frank Francis, Director British Museum; Dr. G. R. Lomer, Associate Director, Library School, University of Ottawa; Mr. Wm. Roedde, Director of Libraries for the Province of Ontario; Mr. Douglas Lochhead, Chief Librarian, York University, Toronto; Mr. Jack Brown, Chief Librarian, National Research Council, Ottawa; Mr. Claude Aubry, Chief Librarian, Ottawa Public Library; Mr. Clement Potter, Pulp and Paper Research Institute; Miss Emily Keeley, Librarian, Industrial Cellulose Research Ltd.; Miss Kathleen Jenkins, Librarian, Westmount Public Library; Miss Frances Dumaresq, Library Consultant to the Protestant School Board of Greater Montreal; Miss Elizabeth Morton, Executive Secretary, Canadian Library Association.

DESCRIPTION OF COURSES

The courses provided by the School are based upon the librarian's relation to: the building in which his library is housed, the books, periodicals, and other materials in his charge, the readers whom he serves, and the staff with whom he works. In teaching the various subjects of the curriculum, every effort is made to relate them to library work as a whole and to develop a dynamic, rather than mechanical, point of view with regard to the present practice and the future possibilities of the profession.

Whenever possible, the past history, the practice of today, and the probable future development of library activities are related, and students are encouraged to assume an attitude that is constructively critical and forward-looking, rather than one that is merely imitative, conventional, and retrospective. The work of the School is grouped under the following headings for convenience of instruction: 1. Organization and administration of libraries. 2. Acquisition and care of library materials. 3. Selection and use of library materials. 4. Field work.

ALL COURSES ARE REQUIRED EXCEPT THOSE MARKED ELECTIVE (SEE BELOW).

ELECTIVES

Special courses given in the second term are: Public Libraries; Children's and School Libraries; College and University Libraries; Special Libraries; Cataloguing and Classification; Government Documents. Two of these must be elected.

COURSE VALUES

Courses are of various lengths. The point value of each is shown in parentheses followed by the number of the term in which it is given.

GENERAL

1. THE LIBRARY PROFESSION (2) I (1) II — *Professor Ross*

Intended to provide professional background, this course includes the historical development of library work; some famous libraries and librarians; a history of printing in Canada and the development of Canadian libraries; a brief survey of work in various types of library; an introduction to the literature of the professoin; a study of the work of library associations; consideration of the training, qualifications and ethics of the librarian; efficient methods of work organization; personnel problems and public relations; library finance, budgeting; annual reports and other publicity.

2. HISTORICAL BIBLIOGRAPHY (1) II — *Mr. Pennington*

This course deals with the history of the manuscript and printed book in Europe from classical times to the present. It includes lectures on palaeography, the transmission of texts, the invention and development of printing, and the technical processes of book making, including book illustration.

3. LIBRARY BUILDINGS AND EQUIPMENT (1) II — *Professor Ross*

In this course the following subjects are discussed: principles in the planning of various types of library; heating, ventilation, and lighting; interior decoration; furniture; equipment and supplies. Students are required to work out simple planning problems illustrating topics considered in the course.

ADMINISTRATION OF LIBRARIES

This group of courses deals with the organization and successful operation of libraries of different types. It is concerned with the place of the library in the community, the duties and opportunities of the librarian, and his relation to the governing authorities, staff, and readers. These courses form both framework and background for the more detailed instruction in specialized services.

4. PUBLIC LIBRARIES A. (2) I — *Professor Coughlin*

Deals with the development of public libraries and their relationship to city and state government. Consideration is given to desirable standards for public library service, to public library legislation, and to the governing and financing of public libraries.

5. PUBLIC LIBRARIES B. (3) II ELECTIVE *Professor Coughlin*

Topics dealt with are the public library's responsibilities to its readers; the measurement and evaluation of its services and the interpretation of these services to the user by means of annual reports and other library publications; exhibits and displays; and the preparation of the budget. Detailed study is made of the social structure of the community; the relation of the library to the agencies of adult education; readers' advisory work and discussion groups and the use of records, films, radio and television. The organization and operation of county and regional library services in Canada and other countries is included.

6. COLLEGE AND UNIVERSITY LIBRARIES (3) II ELECTIVE *Professor Astbury*

The problems of organization and growth are considered, including service to undergraduates, research students, faculty members and departmental libraries; special collections and reading rooms; teaching the use of the library; the allocation of funds; the use of micro-materials and such technical processes as differ from those in public and other libraries.

7. SPECIAL LIBRARIES (3) II ELECTIVE *Miss Anderson*

This course is designed to present the purpose and point of view of the special library and to discuss the adaptation of general library techniques to its needs. Special attention is paid to the organization and administration of libraries in business and industry. Research methods and sources of information peculiar to selected fields are surveyed and discussed.

8. LIBRARY WORK WITH CHILDREN (3) II ELECTIVE *Professor Coughlin*

This course shows the adaptations necessary in cataloguing and classification, reference work, book selection, and general administration to serve the needs of libraries for children and young people. Children's literature from the historical point of view is reviewed; modern illustrators and modern authors are discussed. Special problems of the school library are considered. The lectures are supplemented by story telling, and by practical work in, and visits to, children's libraries.

II. ACQUISITION AND CARE OF LIBRARY MATERIALS

The purpose of these courses is to train the future librarian in the principles of wise, economical, and adequate provision of books, periodicals, pamphlets, films, phonorecords, etc., for library use, and the best modern technique to be applied in recording them and in making them available to the public.

9. TECHNICAL PROCESSES (2) I *Professor Astbury*

Acquisitions. Deals with the acquisition of books, periodicals and other materials, by purchase, gift and exchange. Trade bibliographies are examined in detail, and sources for obtaining both new and second-hand books are discussed. The various routines followed and records kept by the acquisitions department are studied.

Circulation. Charging systems used by libraries of various types are studied in detail, with some consideration of the history of circulation procedures and also recent innovations. Other routines and regulations, statistics, shelf work, and the administration of the circulation department are discussed.

Binding. A brief survey of methods of binding, repair and preservation of library materials; the organization, routines and records of the library binding department with special reference to the collating of periodicals and other material.

10. CATALOGUING AND CLASSIFICATION (4) I (3) II

Professor Murray and Miss Anderson

The principles and purpose of classification and cataloguing are studied with a view to their application in libraries of different types and sizes. The Dewey Decimal Classification and the Library of Congress Classification are carefully studied. Special attention is also paid to the care of audio-visual materials.

11. CATALOGUING AND CLASSIFICATION (2) II ELECTIVE *Professor Murray*

The history and theory of classification are considered; the Universal Decimal Classification, the Bliss Bibliographic and Ranganathan's Colon Classification schemes are examined; the problems of subject analysis and of re-cataloguing and re-classification are considered as well as the organization and administration of cataloguing service. New developments for the storage and retrieval of information are also discussed, e.g. co-ordinate indexing, punched card systems, etc.

III. SELECTION AND USE OF LIBRARY MATERIALS

The needs of the reader are explained and provided for by a carefully planned study of the subject content of books as well as the adaptation of non-book materials to practical use in libraries of various types.

12. SELECTION OF BOOKS AND OTHER MATERIALS (3) I (2) II *Professor Coughlin*

This course deals with methods of selecting books, films, records, etc. for various types of libraries, communities, and readers. Representative books of all classes are examined for their literary value as well as their physical make-up, and various editions, translations, and series are compared.

The student becomes familiar with the general and special printed aids to selection; the characteristics and specialties of publishing houses; and the problems of authorship, copyright, and censorship.

Training is given in book evaluation, annotation, and written and oral book reviewing.

13. REFERENCE MATERIALS AND METHODS (3) I (4) II *Professor Astbury*

The purpose of the course is to give a practical understanding of efficient reference service, the administration of a reference department and a critical knowledge of reference materials.

In the first term general basic reference books are studied. Printed bibliographies of all kinds are considered and practice is given in dealing with questions requiring bibliographical research. The second term is devoted to the reference materials of the humanities, social sciences, biological sciences and physical sciences. Particular attention is paid to the special approach needed for work in each field. Every student is required to make a special study of the reference sources in one subject area.

14. GOVERNMENT PUBLICATIONS (3) II ELECTIVE *Professors Ross and Murray*

Deals with Canadian, British, and United States publications; some attention also being given to foreign documents, and United Nations and UNESCO publications.

15. SERIALS

A brief sketch of the historical development of serials is given; study is made of the various types of serials published to-day, such as popular magazines, technical journals, house organs, and the publications of societies and institutions.

A systematic survey is made of problems in the selection and ordering of serials in English and foreign languages; checking and claiming; circulation, binding, and storage; exchange of duplicates and completing of sets.

This course will be given in the present session in conjunction with Book Selection, Cataloguing and other courses.

16. BIBLIOGRAPHY AND RESEARCH METHODS (1) I

Training is given in the preparation of a research paper and in the compilation of an annotated bibliography.

IV. FIELD WORK

VISITS TO LOCAL LIBRARIES

The following libraries in Montreal are available for observation and many are used regularly by the students.

Public Libraries: Montreal Public Library and its branches; Westmount Public Library; Fraser-Hickson Institute; Mechanics' Institute.

Special Libraries: Divinity Hall Library; Osler Library (Medicine); Purvis Hall Library (Commerce); Montreal Museum of Fine Arts Library; also the libraries of National Film Board, Bell Telephone Company, Sun Life Assurance Company, Royal Bank of Canada, Shawinigan Water and Power Company, Aluminum Company of Canada, International Civil Aviation Organization, Canadian Broadcasting Corporation, Pulp and Paper Research Institute.

College and University Libraries: McGill University (Redpath) Library; Macdonald College Library; Sir George Williams University Library; Bibliothèque de l'Université de Montréal.

Children's Libraries: Montreal Children's Library; Westmount Public (Children's) Library; Fraser-Hickson Children's Library; Notre Dame de Grace Children's Library; Montreal Public Library and its branches; the libraries of Montreal High School, Lachine High School, Westmount Junior High School, Fairmount School, and Commission des Ecoles Catholiques de Montréal.

LIBRARY VISITS TO OTHER CITIES

A visit to other cities in Canada, with a programme of conducted visits to libraries, is a required part of the course. This illustrates the practical application of subjects taught. Each student is required to prepare a report and to take part in class discussion on methods observed.

LIBRARY EXPERIENCE

Work under supervision in a library is required during the session, in order that the student may acquire some appreciation of library service as a whole under everyday conditions.

DEGREE OF MASTER OF LIBRARY SCIENCE

The candidate must hold the degree of Bachelor of Library Science, or an equivalent degree, from an accredited Library School approved by McGill University. This degree must represent a fifth year of academic study in which the candidate has obtained at least a B average. Competence to undertake graduate study must have been demonstrated and at least two years of professional library experience is required. The student must show evidence of a reading knowledge of at least one language other than English before the degree is granted. The French language is recommended but another language may be accepted if appropriate to the work which the candidate intends to undertake. If courses taken previously by the candidate are considered inadequate for the graduate courses offered he may be required to undertake some additional courses in the Library School or elsewhere in the University.

A minimum of one full session or two half sessions of resident study at McGill University is required. Pass mark in each subject is 65 per cent.

Limited travel funds for research and attendance at occasional seminars will be available at the discretion of the Director.

Each course is conducted on the seminar plan under the direction of a member of the Library School staff. Specialists, who give one or several seminars include the following: Miss Edna Hunt, Assistant Librarian, National Research Council, Ottawa; Miss Ruth MacDonald, National Library of Medicine, Washington; Miss Mary Herrick, Boston University; Mr. Wyllis Wright, Williams College; Dr. Maurice Tauber, Columbia University; Dr. Wm. Kaye Lamb, National Librarian and Dominion Archivist, Ottawa; Mr. Donald Redmond, Librarian, Nova Scotia Technical Institute, Halifax; Miss Bernice Field, Yale University Library; Miss Bella Shachtman, Department of Agriculture Library, Washington; Mr. W. G. Ormsby, Chief of Mss. Division Public Archives, Ottawa; Mrs. I. M. B. Dobell, Curator of Prints and Manuscripts, McCord Museum, McGill University; Mr. David Mearns, Chief of Mss. Division Library of Congress, Washington; Miss Marie Tremaine, Director Bibliography Project, Arctic Institute of North America, Washington office; Dr. Mortimer Taube, President, Documentation Inc., Washington, D.C.; Dr. J. Zweig, Sir George Williams University; Dr. Alice Bryan, School of Library Science, Columbia University; Miss Constance Winchell, Columbia University Library; Mr. Richard Angell, Library of Congress, Washington; and the following members of the staff of McGill University—Dean H. N. Fieldhouse, Dean of Arts and Science; Professor David Munroe, Director of the Institute of Education; Professor, H. R. C. Avison, Director of Adult Education Services; Dr. Aileen Ross, Department of Sociology.

COURSES

Required

A. Thesis—3 copies when completed should be presented to the office of the Dean of Graduate Studies and Research on dates specified in the General Information Pamphlet.

B. Research methods in library science.

Elective (the equivalent of 2 full courses must be taken. These may not all be available in any one year. Inquiries should be made at the Library School office).

C. Canadiana; archival and historical materials, their care and use.

D. Documentation; the acquisition and retrieval of research material. (Half course.)

E. Government documents. (Half course.)

F. Serials. (Half course.)

G. Cataloguing and classification; problems and developments.

H. The library in the community.

I. Advanced reference methods and materials. (Half course.)

S. A special subject may be taken in another Department of the University provided that the candidate has the qualifications normally required for advanced work in that field. Special permission must first be obtained from the Dean, the Director of the School and the Chairman of the Department concerned.

Preliminary application should be made to the Director of the Library School before August 15th, and formal application papers must be completed and received by the Dean of the Faculty of Graduate Studies and Research before September 8th.

FEES

One session full time study	$425.00
One session half time study	250.00
Additional sessions	25.00
Late registration fee	5.00
Instalment fee	5.00
Late payment fee	2.00

Payment may be made in two instalments in October and January.

SPECIAL DATES

1961

September 21st, Thursday. Last day for receiving sessional registration forms in the Dean's Office, Faculty of Graduate Studies and Research.

September 25th, Monday. Lectures begin.

October 18th, Wednesday. Last day for registration at the Registrar's Office and for payment of fees.

1962

April 12th, Thursday. Last day for filing theses for Spring Convocation.

August 23th, Thursday. Last day for filing theses for Fall Convocation.

McGill University

Montreal

School for Graduate Nurses

Beatty Memorial Hall

1961-1962

McGill University

Montreal

School for Graduate Nurses

Beatty Memorial Hall

1961-1962

PUBLICATIONS

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Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture and School of Household Science)
Institute of Education
French Summer School
Extension Courses

The Directory of Staff (University and Faculty administrative officers, standing committees, and officers of instruction)

The Calendar (available for distribution only to libraries and officials of certain institutions)

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School for Graduate Nurses

The School for Graduate Nurses is under the administrative jurisdiction of the Faculty of Medicine.

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, B.Com., M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

David L. Thomson, B.Sc., M.A., Ph.D., D.Sc., LL.D., F.C.I.C., F.R.S.C. — *Vice-Principal*

Lloyd G. Stevenson, B.A., M.D. (Western), Ph.D. (Hopkins) — *Dean of the Faculty of Medicine*

Rae Chittick, B.S. (Columbia), M.A. (Stanford), M.P.H. (Harvard), LL.D. (Alberta), R.N. — *Director of the School for Graduate Nurses*

John H. Holton, B.Com. — *Secretary of the Board of Governors*

Colin M. MacDougall, D.S.O., B.A. — *Registrar*

G. A. Grimson, B.Com. — *Comptroller*

ADVISORY COMMITTEE

Dean Lloyd G. Stevenson, *Chairman*

Miss Rae Chittick

Miss Eileen C. Flanagan

Miss Helene Lamont

Mrs. Alastair MacLeod

Professor Frank C. MacIntosh

Dr. C. A. Roberts

Miss Roselyn Smith

Professor R. P. Vivian

SCHOOL FOR GRADUATE NURSES OFFICE

BEATTY MEMORIAL HALL

1266 Pine Avenue West

Montreal 25, P.Q.

Telephone—VI 4-6311

STAFF OF SCHOOL FOR GRADUATE NURSES

RAE CHITTICK, B.S. (Columbia), M.A. (Stanford), M.P.H. (Harvard), LL.D. (Alberta), R.N. *Flora Madeline Shaw Professor of Nursing, Director*

MOYRA ALLEN, M.A. (Chicago), B.N., R.N. *Associate Professor of Nursing*

ELIZABETH LOGAN, B.Sc. (Acadia), M.N. (Yale), R.N. *Associate Professor of Nursing*

HELEN GEMEROY (MRS. G. A.), B.A. (Sir George Williams), M.A. (Columbia), R.N. *Assistant Professor of Nursing*

MARY L. RICHMOND, M.A. (Columbia), B.N., R.N. *Assistant Professor of Nursing*

ETHEL C. SHAW, B.Sc.(N) (Alta.), M.Sc. (Simmons), R.N. *Assistant Professor of Nursing*

HELEN P. MCCALLUM, B.A. (Western Ont.), R.N. *Lecturer in Nursing*

FAY MCDOWELL, B.S., M.A. (Columbia), R.N. *Lecturer in Nursing*

ZELLA M. PALMER, B.N., R.N. *Lecturer in Nursing*

LYDIA H. POPE *Librarian*

OTHER OFFICERS OF INSTRUCTION IN THE SCHOOL

MARION BAIN (MRS. D. C.), M.Sc. (Columbia), B.H.S. *Assistant Professor of Health and Social Medicine*

MADELINE FLANDER, Cert. S.G.N., R.N. *Lecturer in Paediatric Nursing*

EILEEN C. FLANAGAN, B.A., R.N. *Director of Nursing, Montreal Neurological Institute*

DONALD S. FLEMING, D.P.H. (Tor.), B.A., M.D., C.M. *Associate Professor of Health and Social Medicine*

R. C. GARDNER, B.Sc. (Alta.), M.Sc., Ph.D. *Lecturer in Statistics*

HELENE LAMONT, B.N., R.N. *Director of Nursing, Royal Victoria Hospital*

ISABEL MACLEOD (MRS. A. W.), B.Sc.(N) (Alta.), M.A. (Columbia), R.N. *Director of Nursing, Montreal General Hospital*

A. W. MACLEOD, B.Sc., M.B., Ch.B., D.P.H. (Glasgow), Dip. Psych. Med., M.R.C.P. (London) *Assistant Professor of Psychiatry and Lecturer*

CHARLES WILLIAM MACMILLAN, M.D., C.M., D.P.H. *Associate Professor of Health ana Social Meaicine*

MARGARET E. NIX, B.A. (Man.), M.P.H., Ph.D. (Mich.)
Associate Professor of Health and Social Medicine

GENEVA PURCELL, B.N., R.N.
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PATRICIA M. ROWE, B.A. (Tor.), M.A. (Dalhousie), Ph.D.
Lecturer in Psychology

ROSELYN SMITH, B.N., R.N. *Director of Nursing, Montreal Children's Hospital*

J. GILBERT TURNER, M.D., C.M., M.Sc., F.A.C.H.A., Executive Director, Royal Victoria Hospital *Lecturer in Hospital Administration*

R. P. VIVIAN, M.D. (Tor.) *Professor of Health and Social Medicine*

A. H. WESTBURY, F.I.H.A. (Eng.), F.C.I.S., Executive Director, Montreal General Hospital *Lecturer in Hospital Administration*

GENERAL INFORMATION

The School for Graduate Nurses was established in 1920 to prepare well-qualified graduate nurses for positions of leadership in hospital and community nursing. The various programmes in administration, teaching, supervision and public health nursing have attracted graduate nurses from every province in Canada and from several foreign countries. In 1957, a new programme in basic nursing was introduced to prepare high school graduates for the many positions open to well-qualified nurses. This programme combines general education with professional courses over a period of five years from McGill Junior Matriculation and leads to the degree of Bachelor of Science in Nursing. Graduates of this programme are qualified for staff positions in public health agencies as well as in hospitals.

The School for Graduate Nurses, therefore, offers two types of programmes:

(1) Diploma and degree courses for graduate nurses. These courses are described on pages 3221 to 3225.

(2) A five-year course for high school graduates leading to the degree of B.Sc.(N.) This programme is described on pages 3209 and 3210.

PROGRAMMES FOR GRADUATE NURSES

The School offers programmes of study for graduate nurses in four main areas. These are as follows:

I: **Teaching and Supervision in Schools of Nursing:** Students selecting this field are prepared for positions as head nurses, ward supervisors, or classroom and clinical teachers. Students are given the opportunity to select one of a number of fields for specialization. These are the Teaching of the Basic Sciences*, Medical-Surgical Nursing, Psychiatric Nursing, and Maternal and Child Health (these students do major work in either Obstetric or Paediatric Nursing).

II: **Public Health Nursing:** This programme is designed to prepare nurses for staff positions in public health organizations.

III: **Administration and Education in Hospitals and Schools of Nursing:** This programme is open to experienced nurses who wish to qualify as directors of schools of nursing or directors of hospital nursing service.

IV: **Administration and Supervision in Public Health Agencies:** This programme prepares nurses with satisfactory experience to participate in supervision and administration in public health organizations.

COURSES LEADING TO A DIPLOMA

Students who successfully complete a programme of study in area I or II may be granted a diploma in the field of their specialization. The minimum entrance qualification to enrol in the diploma programme is McGill Junior Matriculation or its equivalent.

Of the ten papers required for McGill Junior Matriculation the compulsory subjects are English, History, Algebra or Advanced Arithmetic, and Chemistry or Biology. Chemistry and Biology should *both* be taken if possible. The other subjects of the examination are entirely optional. The general average for all papers must be at least 65%. (The equivalent of these papers taken in public examinations recognized by the University will be satisfactory.)

COURSES LEADING TO THE DEGREE OF BACHELOR OF NURSING

Students wishing to qualify for the degree of Bachelor of Nursing must first complete a programme of study in either area I or II which represents the first year of the work for the degree. These programmes are basic to the more advanced work in public health nursing, nursing education, and administration in nursing service.

Entrance qualification for the degree programme is either McGill Junior Matriculation or McGill Senior Matriculation or their equivalents, but those students who enter with Junior Matriculation standing must

*Open only to students in degree programme.

complete three years of study before qualifying for the degree of Bachelor of Nursing. One year of this time will be spent in general education which must be comparable to that required to pass with satisfactory standing the appropriate papers in the McGill Senior School Certification Examinations. The subjects required are English, Chemistry or Biology, and any three of the following: History, French, Spanish, German, Latin, Mathematics, Physics.

PART-TIME STUDY

Nurses who live in or near Montreal may register as partial students in the regular day programme or in the evening classes offered through the Department of Extension of the University. By special arrangement a one-year programme may be extended over two years for students who are unable to attend full time.

PROGRAMME IN BASIC NURSING

This is a programme for high-school graduates who wish to prepare themselves for a career in nursing. The time necessary to complete the requirements is five years. Successful candidates are granted the degree of B.Sc.(N). The first year is devoted to academic courses with emphasis on the basic sciences. The following four years consist of both academic and professional courses. Professional courses include classroom instruction and clinical experience in the McGill teaching hospitals and in selected public health agencies in the City of Montreal. In the final year emphasis is placed on teaching methods and administrative skills.

Students may be admitted into the basic nursing programme after passing the ten required papers of the McGill Junior Certificate Examination, or their recognized equivalents, with an overall average of at least 65%. In the University's own examinations the following papers are required:

No. of Papers	Subject
2	English
1	General History
2	Modern Language
2	Elementary Algebra Elementary Geometry
1	One of the following: Biology; Botany; Chemistry; Physics
2	*Either* Latin *or* Spanish *or* French *or* German (if not already chosen) *or* any two of the following papers not already chosen: (a) Intermediate Algebra (b) Trigonometry

(c) Biology *or* Botany (Biology and Botany may not both be chosen)
(d) Chemistry
(e) Geography
(f) Physics
(g) British History *or* Canadian History
(h) Music *or* Art (Music and Art may not both be chosen)

—

10 papers

The above papers are the normal requirements for admission, but students who do not have exactly these requirements may be admitted, provided their high school record is exceptionally good and they show evidence of preparation and ability to meet successfully the demands of the course.

RESOURCES AND FACILITIES

Courses in nursing education are provided in the School. Other courses are available through the Faculty of Arts and Science and the Faculty of Medicine (including the Department of Health and Social Medicine), as well as through other Schools and Departments within the University.

The School, administered by the Faculty of Medicine, is located in Beatty Memorial Hall, which provides classroom space, lunch facilities, and other amenities. An up-to-date professional library is maintained at the School under the direction of a full-time librarian. Students have access to other libraries in the University.

Excellent community facilities are available for the observation of nursing in all its branches and for practice in teaching, supervision, and administration in hospitals, schools of nursing, and public health nursing fields.

The resources of the following organizations are available: the Royal Victoria Hospital (including the Allan Memorial Psychiatric Institute, and the Royal Victoria-Montreal Maternity Hospital); the Montreal General Hospital; the Montreal Children's Hospital; the Royal Edward Laurentian Hospital (tuberculosis) with its clinics; the Verdun Protestant Hospital; the Queen Mary Veterans Hospital; the Montreal Neurological Institute of McGill; St. Mary's Hospital; and the Queen Elizabeth Hospital, as well as other hospitals in Montreal.

The official and voluntary health agencies of the city and also clinics (both public and private) afford ample opportunities for study and field

experience in the various aspects of community health. These resources include the Victorian Order of Nurses, the Child Health Association, the municipal health departments of Greater Montreal, hospital out-patient departments, industrial health services, the Mental Hygiene Institute, the Family Welfare Association, the Children's Service Centre, nursery schools and day nurseries, child guidance clinics, and other organizations concerned with the welfare of individuals and families.

ENTRANCE REQUIREMENTS

GRADUATE NURSES

All applicants must have completed the basic nursing course in an approved school of nursing, be registered in the province or country from which they come, and meet the requirements for the programme selected.

For admission to the diploma courses candidates must have passed in the required papers of the McGill Junior School Certificate Examination or their recognized equivalents (see page 3208). Candidates for a degree must have met the requirements of the First year in the Faculty of Arts and Science, or have passed in the required papers of the McGill Senior School Certificate Examinations or their recognized equivalents (see page 3208).

BASIC NURSING

High School Graduates who wish to enrol in the programme leading to the degree of B.Sc.(N) must have passed in the required papers of the McGill Junior School Certificate Examinations or their recognized equivalents (see page 3209).

TRANSFER OF CREDITS

Consideration will be given to transfer of credits for work completed in another university if an official transcript of the student's work is sent directly to the School by the officers of the institution in which the work was completed.

APPLICATION FOR ADMISSION

All applications must be made on forms which may be obtained from the School for Graduate Nurses, McGill University, and must include a photograph of passport size. Official transcripts from their School of Nursing may be submitted by graduate nurses. All documents, including an official transcript of the student's academic preparation, are to be forwarded to the Director of the School.

REGISTRATION

All students will register at Beatty Hall between the hours of 9 a.m. and 4 p.m. as follows:

First Year

Students in the First year of the Graduate Nurse Programme are required to complete a period of field work during September. Registration for them will take place on Wednesday, September 6.

For First year students in the Basic Programme registration will take place on Monday, September 18.

Upper Years

All other students will register on Friday, September 22.

EXAMINATIONS

Final examinations are held for first-term half courses in December and January, and for full courses and second-term half courses in April and May. Mid-term examinations for full courses may be held in January depending upon the instructor.

Results of examinations are recorded according to class, as follows: Class I, 80% to 100%; Class II, 65% to 79%; Class III, 50% to 64%.

A student who has failed in a final examination and has been given permission by the Director of the School to write a supplemental examination, must write this supplemental during the following September. Written application must be made before August 15. A fee of $10.00 for each supplemental paper is payable to the Cashier as soon as the application has been approved. A student who wishes to write a supplemental examination outside McGill must make application to the Director to do so before August 1st. There is an additional fee of $10.00 for establishing such an outside centre.

HEALTH SERVICES

All students are required to have a medical examination and a chest X-ray by the University Health Service. There are no exceptions to this rule. Provision is made for health service to students *during the session* but not during vacations. (See *General Information* pamphlet for details.)

Students in the Basic Programme are required to have inoculations for typhoid, paratyphoid, tetanus, diphtheria, poliomyelitis, and tuberculosis. Students should obtain these inoculations from their own physician before beginning the programme.

FEES

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees.

University fee		$400.00
If paid by instalments:		
First instalment	$202.50	
Second instalment	202.50	
Instalment fee (included in above)		5.00
Late payment fee		2.00

Fees are due and payable at the Accounting Office in Dawson Hall, between the hours of 9 A.M. and 4 P.M. on or before September 27. A late fee of $2.00 is charged for payment after this date. As soon as possible after the prescribed dates the Chief Accountant will send to the Director of the School a list of the registered students who have not paid their fees. The Director will thereupon suspend such students from further attendance until the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

BOARD AND RESIDENCE

There are no University residence facilities for graduate nurse students of the School for Graduate Nurses. Every assistance is given to those seeking accommodation through a Rooms Registry located at the McGill Union. Application for rooms must be made in person from August 29 to September 29. The cost of board and lodging varies from $65.00-$85.00 per month. The minimum cost of a furnished room with kitchen facilities is approximately $50.00 per month.

Students in the Basic Nursing Course whose homes are outside of Montreal live at Royal Victoria College. When application is made to the School for Graduate Nurses, application for residence must be made also to the Warden of Royal Victoria College, such application to be made before May 31. Forms for this purpose may be obtained from the College, from the Registrar's Office, or from this School.

Those students who do not reside with their parents or guardians in Montreal and who wish to live outside the University residence are required to submit their plans for residence in writing to the Warden and to obtain written approval. Students in this category who are entering the University for the first time must in all cases fill out residential application blanks when the academic application is submitted.

During the summer period students live in the nurses' residence of the hospital in which they are obtaining their experience. A charge of $15.00 per week is made for accommodation in the first summer only.

EXPENSES

APPROXIMATE COST OF THE COURSE

University fees	$400.00
Books and incidentals	approx. 50.00
Board and room	$700.00 to 900.00
Royal Victoria College (students in the Basic Course)	$730.00 to $760.00 (session)

Field work may involve additional expense for travel and living which the student must consider in estimating expenses.

UNIFORMS

All students in the Graduate Nurse Programme are advised to have at least two white uniforms. Full white uniform is required for field experience in hospitals and for Convocation. For students in public health nursing special field uniforms are available for rental at the School. These students should bring white collars and any plain dark hat and coat. Brown or black walking shoes with low heels are required. Students in public health nursing may have field work in hospitals, in which case white uniforms are worn.

Students in the Basic Nursing Programme are required to supply themselves with the School uniform obtained through the School.

BURSARIES AND SCHOLARSHIPS

There are a number of bursaries and scholarships open to all students registering in the University. Information may be obtained from the Registrar's Office. Applicants must meet the University entrance requirements for Junior Matriculation. The following bursaries are open to graduate nurses:

1. ALEXANDRA HOSPITAL

The Board of Governors offers a scholarship in the form of full maintenance at the hospital during a year's study at the School for Graduate Nurses.

2. ALUMNAE ASSOCIATION OF THE SCHOOL FOR GRADUATE NURSES

In memory of Dr. Marion Lindeburgh the Alumnae Association has established an annual scholarship of $500.00. This scholarship is open to graduate, registered nurses who wish to study at the School for Graduate

Nurses, McGill University, and who meet the entrance requirements. Applications should be submitted by June 15, 1961, to the Chairman of the Scholarship Committee, Alumnae Association, 1266 Pine Avenue West, Montreal, Quebec.

3. ASSOCIATION OF NURSES OF THE PROVINCE OF QUEBEC

(*a*) Two bursaries of $1,200 are customarily offered to practising members in good standing of the Association of Nurses of the Province of Quebec, whose qualifications are acceptable to a university. Any approved course may be selected.

(*b*) District No. 11 (English Chapter) Association of Nurses of the Province of Quebec offers a bursary to a member of the Chapter whose qualifications are acceptable to the University. The nurse who accepts the bursary will be expected to work in the Province of Quebec for two years following the completion of her course.

4. MONTREAL CHILDREN'S HOSPITAL

The Board of Governors offers a scholarship in the form of lodging at the hospital during one year's study at the School for Graduate Nurses. Those accepting the scholarship are required to work for one year at the Montreal Children's Hospital on completion of the course.

5. MONTREAL GENERAL HOSPITAL SCHOOL OF NURSING

Bursaries are provided annually by the Montreal General Hospital to graduate nurses for study to prepare them for administrative and teaching positions.

6. ROYAL VICTORIA HOSPITAL SCHOOL OF NURSING

(*a*) The *Mabel F. Hersey Scholarship* is given annually by the Board of Governors for a year of postgraduate study at the School for Graduate Nurses, McGill University.
(*b*) The *Emma Thomas Scholarship* is offered annually for postgraduate study.
(*c*) The *Ida McGregor Scholarship* is offered annually for postgraduate study.
(*d*) A bursary of $1,500 donated by the Woman's Auxiliary is to be awarded to a senior member of the staff for postgraduate study.

7. VICTORIAN ORDER OF NURSES FOR CANADA

The Victorian Order of Nurses for Canada offers bursaries of $1,000 to nurses to assist them in taking preparation in Public Health Nursing. Following their course, the recipients are obligated to work one year for the Victorian Order in the area where their services are most urgently needed. Bursaries are also available to students in the final year of a basic degree course which includes preparation in public health nursing.

8. QUEEN ELIZABETH HOSPITAL

The *Martha Warren Bursary* of one year's tuition fee may be given to any Alumnae member, or members, who wish financial help for post-graduate study. Applications for this bursary must be in on or before April 25th of each year. The nurse accepting this bursary is expected to work in the Queen Elizabeth Hospital for one year following completion of her course provided there is a position open in her field of study.

9. REDDY MEMORIAL HOSPITAL

The Board of Directors offers a bursary to assist with a year's study at the School for Graduate Nurses. Only graduates of the School of Nursing or Staff Nurses of the Hospital are eligible. They should apply to the Director of Nursing.

10. GOVERNMENT BURSARIES

A limited number of bursaries are given by the Province of Quebec to nurses who wish to remain in the province, and who have been accepted for admission to the School. Application for a bursary may be made through the School. Applications for bursaries are considered each year at the end of March.

W. K. KELLOGG FOUNDATION LOAN FUND

Through the generosity of the Foundation, this fund has been established to assist graduate nurses who have unexpected expenses while registered in courses at the School. For further particulars applicants should consult the Director of the School for Graduate Nurses.

PROGRAMMES OF STUDY FOR GRADUATE NURSES

LEADING TO A DIPLOMA

All students in the First year are required to take the prescribed core courses which are fundamental to all areas of nursing. In addition, students select courses which fulfil the requirements of their major field of interest. Upon the completion of one year of study students are granted a diploma.

LEADING TO THE DEGREE OF BACHELOR OF NURSING

Students who have met the requirements for the diploma may proceed with the Second year of the degree programme, providing such students have McGill Senior Matriculation standing or its equivalent.

FIELD EXPERIENCE

FIRST YEAR

Concurrent field experience forms part of a number of courses. In addition, the months of September and May are devoted to field experience.

Field Experience in Public Health Nursing: The normal requirement for students without previous public health experience is eight weeks. This requirement is adjusted to meet individual needs, and students are not expected to repeat experience which has been gained under adequate supervision. Ordinarily there are two weeks during September and six weeks following the examinations in the spring.

Field Experience in Teaching and Supervision in Schools of Nursing: Students enrolled in this programme will have six weeks of field experience: two weeks in September and four weeks following examinations in the spring.

SECOND YEAR

All students in the Second year are expected to complete approximately two months of field experience during May and June.

FIRST YEAR

CORE COURSES (REQUIRED OF ALL STUDENTS IN THE FIRST YEAR)

SOCIOLOGY 210

PSYCHOLOGY 21

NG-11 COMMUNITY ORGANIZATION

NC-11 PRINCIPLES OF LEARNING AND METHODS OF TEACHING

NC-12 NUTRITION

NC-13 HUMAN GROWTH AND DEVELOPMENT

COURSES IN FIELD OF SPECIALIZATION

Basic Sciences and Clinical Teaching

NA-11 WARD MANAGEMENT AND SUPERVISION

Two full courses from those listed below. (Students in the degree programme preparing to teach the basic sciences do not take NA-11 and are required to take two sciences. Students in the clinical fields select a clinical course and one additional course. All students entering with Junior Matriculation are strongly advised to select English):

NS-12 Medical-Surgical Nursing

NS-14 Psychiatric Nursing

NS-16 Maternal and Child Health (Students do major work in either Obstetric or Paediatric Nursing)

Physics 11, Chemistry 11, Biology 100

Chemistry 22a (for students with Senior Matriculation standing in Chemistry)

English, History, Economics

(*See Announcement of Faculty of Arts and Science.*)

Public Health Nursing

NS-11 PUBLIC HEALTH NURSING

NC-14 PUBLIC HEALTH PRACTICE

One full course from those listed below:

Science

English

History

Economics

(*See Announcement of Faculty of Arts and Science.*)

SECOND YEAR

Nursing Education (Advanced), and Administration in Hospitals.

CORE COURSES: (REQUIRED OF ALL STUDENTS REGISTERED IN TEACHING IN SCHOOLS OF NURSING AND ADMINISTRATION IN HOSPITALS)

SOCIOLOGY 301, 302 or 303
POLITICAL SCIENCE 211G or 212
NC-25 PHILOSOPHY OF EDUCATION
INDUSTRIAL RELATIONS 441
NC-23 INTRODUCTION TO STATISTICS
NC-28 EPIDEMIOLOGY

COURSES IN FIELD OF SPECIALIZATION

Basic Sciences and Clinical Teaching

NE-21 CURRICULUM IN SCHOOLS OF NURSING

One full course from the following:

Physiology 21 (See prerequisite)
Sociology
Economics
English
History
Philosophy
Modern Language
Anthropology
Fine Arts
(*See Announcement of Faculty of Arts and Science.*)

NG-21 STUDIES AND PROJECTS IN THE FIELD OF SPECIALIZATION:

Teaching the Sciences,
Medical-Surgical Nursing,
Maternal and Child Health,
Psychiatric Nursing
(Field work necessary for the study in addition)

Administration in Hospitals

NA-24 ADMINISTRATION IN HOSPITALS AND SCHOOLS OF NURSING

NC-27 HOSPITAL ADMINISTRATION

One full course from the following:

Physiology 21 (See prerequisite)
Sociology
Economics
English
History
Philosophy
Modern Language
Anthropology
Fine Arts
(*See Announcement of the Faculty of Arts and Science.*)

NG-21 STUDIES AND PROJECTS IN THE FIELD OF SPECIALIZATION:

Administration of Hospital Nursing Service *or*
Administration in Schools of Nursing
(Fieldwork necessary for the study in addition)

SECOND YEAR

Public Health Nursing (Advanced)—Administration and Supervision in Public Health Nursing.

CORE COURSES: (REQUIRED OF ALL STUDENTS REGISTERED IN ADVANCED WORK IN PUBLIC HEALTH NURSING)

SOCIOLOGY 301, 302 or 303

POLITICAL SCIENCE 211G or 212

NC-25 PHILOSOPHY OF EDUCATION

INDUSTRIAL RELATIONS 441

NC-23 INTRODUCTION TO STATISTICS

NC-28 EPIDEMIOLOGY

COURSES IN FIELD OF SPECIALIZATION

Administration and Supervision in Public Health Nursing

NA-21 ADMINISTRATION AND SUPERVISION IN PUBLIC HEALTH NURSING

One full course from the following:

Physiology 21 (See prerequisite)
Sociology
English
History
Philosophy
Modern Language
Anthropology
Fine Arts
(*See Announcement of the Faculty of Arts and Science.*)

NG-21 STUDIES AND PROJECTS IN PUBLIC HEALTH NURSING
(Fieldwork necessary for the study in addition)

DESCRIPTION OF COURSES FOR GRADUATE NURSES

NURSING — GENERAL

NG-11 COMMUNITY ORGANIZATION

An analysis of changing patterns of home and community life and factors responsible for these changes; current health problems arising from social changes; progress in medicine and trends in nursing to meet community needs.

One hour, two terms. *Professor Chittick*

NG-21 STUDIES AND PROJECTS IN THE FIELD OF SPECIALIZATION

In this course students make a study of a selected problem in nursing using simple research methods. Each student is expected to choose a problem for study which will be of interest and help in her special field of nursing. The course is conducted as a seminar with class discussions and individual conferences.

One and one-half hours, two terms. *Members of Staff*

(Fieldwork necessary for the study in addition.)

NURSING — EDUCATION

NE-21 THE CURRICULUM IN SCHOOLS OF NURSING

This course is designed to develop an understanding of the factors which affect the curriculum in schools of nursing and the issues involved. The content includes the application of the principles of curriculum construction to the school of nursing curriculum—philosophy, purpose and aims of the school, formulation of objectives, selection, organization, and evaluation of learning experiences, methods of teaching, supervision, and guidance of students.

Two hours, two terms. *Professor Allen*

NURSING — ADMINISTRATION

NA-11 WARD MANAGEMENT AND SUPERVISION

A study of administrative planning for the hospital ward as the unit of hospital administration, plans for patient care, controlling the environment, supplies and equipment, personnel, ward teaching as part of the

administrative plan, the function of the ward in the educational programme of the student nurse; the principles of supervision applied to nursing education and nursing service in establishing a supervisory programme.

Three hours, second term. *Professor Richmond*

NA-24 ADMINISTRATION IN HOSPITALS AND SCHOOLS OF NURSING

The scope and principles of administration, staffing and supervisory problems, orientation of personnel, in-service education, the organization of the school of nursing, recruitment and selection of students, school publicity, curriculum planning, housing of students, budgeting.

Two hours, two terms. *Professors Chittick and Richmond*

NA-21 ADMINISTRATION AND SUPERVISION IN PUBLIC HEALTH NURSING

Principles of administration and supervision are applied to the field of public health nursing in studying official and voluntary health services. This course includes the planning and evaluation of services, methods of organization and financing, personnel management, human relationships, and supervisory functions with emphasis on staff and student education.

Two hours, two terms. *Professor Shaw*

(Concurrent field experience in addition.)

NURSING — SPECIALTIES

During the fall term all students in the first year participate in a course entitled General Nursing which is closely linked with the September field experience and is designed to assist students to identify the elements fundamental to all nursing, and so to broaden their understanding of the comprehensive nature of nursing. The course consists of presentations by staff members and special lecturers followed by group discussions and conferences. The hours devoted to this course constitute part of the time allocated to public health nursing and to the various clinical specialties.

NS-11 PUBLIC HEALTH NURSING

An introduction to the principles and methods of public health nursing practice; application of principles and methods in the development of maternal, infant, pre-school, school, industrial, and morbidity nursing services; the staff nurse in relation to administration and supervision.

Three hours, two terms *Professor Shaw*

(Concurrent field experience in addition.)

NS-12 MEDICAL-SURGICAL NURSING

The course aims to develop a deep appreciation of the individual as a patient, the factors which affect his illness and recovery, and the effect of illness upon his family and the community. The content includes a study of the processes which assist in the maintenance of health, common deviations and the body's general reactions to these deviations. The course stresses the implications for nursing in the care of the general medical and surgical patient and the special needs as determined by his condition. Learning experiences are provided in the care of medical-surgical patients, teaching of medical-surgical nursing and related subjects, and in the supervision and guidance of students.

Three hours, two terms. *Professor Richmond and special lecturers*
(Concurrent field experience in addition.)

NS-14 MENTAL HEALTH AND PSYCHIATRIC NURSING

This course is planned for students who are interested in psychiatric nursing in general hospitals or in mental hospitals and for those who wish to increase their awareness of the mental health aspects of all nursing. The first term is devoted to the study of mental health concepts and the second term to present psychiatric thought and practice. Group discussions emphasize the role of the nurse and of nursing, and field experiences provide opportunity for application of this learning.

Three hours, two terms.
Professor Gemeroy, Miss H. McCallum and special lecturers
(Concurrent field experience in addition.)

NS-16 MATERNAL AND CHILD HEALTH NURSING

This course is planned for students who are interested in Obstetric or Paediatric Nursing. The first term is devoted to the study of the normal maternity cycle, the newborn, and growth and development of the child through adolescence. Time is spent in community agencies such as antenatal clinics, nursery schools, schools, and community centres. During the second term, students have an opportunity to apply their knowledge to the study of nursing methods and teaching in either Obstetric or Pediatric Nursing. The course includes lectures, conferences and clinics conducted by specialists in various fields.

Three hours, two terms.
Professor Logan, Miss Z. Palmer and special lecturers
(Concurrent field experience in addition.)

NURSING — COGNATE COURSES

NC-11 PRINCIPLES OF LEARNING AND METHODS OF TEACHING

A study of how we learn and an analysis of those methods of teaching that facilitate learning. General principles of curriculum planning.

Two hours, first term. *Professor Nix*

NC-12 NUTRITION

Recent advances in the field of nutrition; prevalence, causes, and prevention of malnutrition; current health problems involving nutrition.

One hour, first term. *Professor Bain*

NC-13 HUMAN GROWTH AND DEVELOPMENT

The course covers growth from the pre-natal stage to maturity and old age. The lectures concentrate on child development and emphasize the influence of such aspects of development as maturation, perception, emotional development, intelligence and socialization. During the second term considerable attention is given to mental health.

Two hours, two terms. *Dr. P. Rowe*
Professor MacLeod

NC-14 PUBLIC HEALTH PRACTICE

The development and present status of public health in Canada and other countries; policy and function of national, provincial, and local health departments; role of the voluntary agency, legislation affecting health; vital statistics; epidemiology; planning community health programmes, rural and urban; maternal, infant, pre-school, and industrial health services, evaluation of health services.

Two hours, two terms. *Professor MacMillan*

NC-23 INTRODUCTION TO STATISTICS

This course is designed to develop an understanding of statistical methods and their application in nursing. The content presented includes: value and uses of statistical data; collection and tabulation of data; analysis of data using measures of central tendency, variability and reliability; presentation of data in text, tables and graphs, and the interpretation of data.

Two hours, first term. *Dr. R. C. Gardner and Staff*

NC-25 PHILOSOPHY OF EDUCATION

An introduction to the basic subject matter of educational philosophy; an historical analysis and interpretation of the more important elements in modern education derived from surveying the history of education; a study of critical issues in contemporary education.

Two hours, first term. *Professor Nix*

NC-27 HOSPITAL ADMINISTRATION

Principles of organization and administration applied to the hospital; committees, finance, purchasing, maintenance, housekeeping, personnel, medical and nursing services; administration of departments, health service, the school of nursing in the hospital.

Two hours, second term. *Dr. Turner*
Mr. Westbury

NC-28 EPIDEMIOLOGY

The course covers the growth of epidemiology from a purely descriptive to an experimental science. The technique of epidemiological investigation is discussed. The place of epidemiology in the understanding of both infectious and non-infectious diseases is stressed, as well as the contribution the epidemiological approach can make to the appreciation of other problems affecting the health and well-being of the community.

Two hours, second term. *Professor Fleming*

COURSES GIVEN IN OTHER FACULTIES

Students have an opportunity to select courses from those offered in the Faculty of Arts and Science as outlined in the various programmes. (See pages 3218, 3219, 3220.)

PROGRAMME OF STUDY IN BASIC NURSING

LEADING TO THE DEGREE OF BACHELOR OF SCIENCE IN NURSING

This programme combines general education at university level with the knowledge and skills essential to the practice of nursing. It is designed to make the best use of scientific and cultural courses to enrich the knowledge and develop the skills of young women interested in making an outstanding contribution in the field of nursing.

During the First year students complete the requirements of the First year of the B.Sc. course in the Faculty of Arts and Science, and, in addition, are introduced to the profession of nursing through a course of nine weeks which begins at the end of July. In the four subsequent years the programme combines both academic and professional courses with selected clinical experience in the McGill teaching hospitals and in public health agencies in Montreal. Additional hospital and public health experience is obtained during the summer months with the exception of one vacation month each year. Throughout the course the aim is to give the student breadth of understanding as a basis for sound nursing practice.

The programme meets the requirements for registration under the Quebec Nurses' Act. To obtain a licence to practise nursing on completion of the programme, students must provide legal evidence of their date of birth on entering the *first* nursing course.

First year

English 100 and 100C
Mathematics 111
Chemistry 11
Physics 11
Biology 100

Summer Session:
Nursing 1a—7 weeks nursing practice in hospital.

Second year

Anatomy 2
Physiology 21
Chemistry 72a
Psychology 21
Nutrition II
Nursing Ib and IIa

Summer Session:
Nursing IIb—4 months nursing practice in hospital.

Third year

English (selected course)
Sociology 210
Psychology 33
Nutrition III
Bacteriology 31
Nursing IIc
Nursing IIIa

Summer Session:
Nursing IIIb—4 months nursing practice in hospital

Fourth year

Sociology 301, 302 or 303
Elective from Faculty of Arts and Science
Nursing IVa—Nursing practice in hospital

Summer Session:
Nursing IVb and V—4 months nursing practice in hospital.

Fifth year

Social Psychology 42
Elective from Faculty of Arts and Science
Nursing VI—Nursing practice in the community
Nursing VII—Nursing practice in hospital.
Nursing VIII

Note: At the end of the first academic year students will have three months vacation before returning to take Nursing Ia. One month's holiday will follow each of the succeeding summer sessions.

DESCRIPTION OF COURSES IN BASIC NURSING

NURSING Ia and b—INTRODUCTION TO NURSING. This course is designed to introduce the student to the broad field of nursing and to the idea of the comprehensive nature of nursing care both within the hospital and in the community. Through individual and group discussion, demonstration and practice, she is assisted to care for the less acutely-ill patient and to

develop some basic nursing skills. During observations in the community, emphasis is placed on the health needs of the individual, the factors influencing these needs and the resources available for meeting them.

(a) 10 hours class and 20 hours guided practice; 7 weeks, first summer.

(b) 1 hour class and 2 hours guided practice; Second year, first term.

Professor Allen and Miss McDowell

NURSING IIa, b and c—GENERAL NURSING. A study of the body's general reactions in disease and the principles underlying diagnosis and treatment. Within the total treatment plan the student begins to identify the role of nursing and with guidance to plan and provide for the nursing care of the acutely-ill patient. She gains experience in those departments involved in the care of the acutely-ill person and visits some of the agencies for rehabilitation in the community.

(a) 4 hours class, Second year, second term.

(b) 10 hours class, 25 hours guided practice per week (13 weeks); 40 hours practice per week (3 weeks); second summer.

(c) 3 hours class, Third year, first term.

Professor Allen and Miss McDowell

NURSING IIIa and b—MATERNAL AND CHILD HEALTH NURSING. The student cares for patients during pregnancy and the puerperium, in infancy and childhood. Emphasis is placed upon the family unit in planning for and promoting care. Experience is planned in the hospital wards and outpatient departments, and in the home.

(a) 1 hour class, 2 hours guided practice; Third year, second term.

(b) 10 hours class, 30 hours guided practice per week (13 weeks); 40 hours practice per week (3 weeks); third summer.

Professor Logan and Miss Z. Palmer

NURSING IVa and b—MEDICAL-SURGICAL NURSING. This course is designed to guide the student as she becomes involved in more complex nursing situations resulting from responsibility for the care of a greater number of patients. The student meets with nursing problems such as are found in the care of the patient at night, the long-term patient and patients with special medical-surgical conditions.

(a) 6 hours class, 18 hours guided practice; Fourth year, two terms.

(b) 6 hours class, 28 hours guided practice per week (4 weeks); fourth summer.

Professor Allen and Miss McDowell

NURSING V—PSYCHIATRIC NURSING. A study of present psychiatric thought and practice through lectures, inter-disciplinary conferences and discussions. The development of interpersonal and group skills as therapeutic measures is emphasized during the care of patients with varying degrees and kinds of behavior disorder. Experience is planned in the community, the general hospital and the mental hospital.

12 hours class, 20 hours guided practice per week (9 weeks);

40 hours practice per week (3 weeks); fourth summer.

Professor Gemeroy and Miss H. McCallum

NURSING VI—NURSING IN THE COMMUNITY. This course is designed to enable the student to develop increased understanding of relationships between social characteristics and patterns of health and disease and of the organization of services to meet the health needs of the individual, the family and the community. Students have supervised practice in voluntary and official health agencies.

5 hours class, 20 hours guided practice; Fifth year, first term.

Professors Logan and Chittick

NURSING VII—WARD MANAGEMENT AND TEACHING. Study of the various aspects of ward management and clinical instruction with an opportunity to assume some responsibility for the management of a hospital ward.

3 hours class, 20 hours guided practice; Fifth year, second term.

Professor Logan

NURSING VIII—NURSING IN TODAY'S SOCIETY. In this course students study the profession of nursing in society today, and become familiar with current problems in nursing service and in nursing education. The course is conducted as a seminar with students participating in conferences, discussions and group projects.

2 hours, Fifth year, second term. *Professors Chittick and Allen*

ANATOMY 2—SYSTEMATIC ANATOMY (given in the Faculty of Medicine). Lectures and demonstrations designed to provide a knowledge of the anatomical structure of the vital organs by systems.

2 hours class, 2 hours laboratory, two terms. *Miss D. Puddy*

BACTERIOLOGY 31—ELEMENTARY BACTERIOLOGY AND IMMUNOLOGY (given in the Faculty of Arts and Science).

This course deals with the fundamentals of immunology and of bacterial cytology, physiology and classification. The application of bacteriology in industry, agriculture, medicine and public health are discussed. The laboratory work provides practical experience in the cultivation and

isolation of bacteria and demonstrates their diverse activities.

2 hours class, 5 hours laboratory, two terms.

Professors M. Franklin, B. H. Matheson and S. I. Vas

NUTRITION II (given in the Department of Health and Social Medicine).

A study of the nutritional requirements of the body in health and how they are met through proper food selection and preparation; the influence of social, economic and emotional factors in determining eating habits; the application of the principles of nutrition in meeting the needs of various family members; the nurse's role in nutrition education.

2 hours, one term.

Professor Bain

NUTRITION III (integrated with nursing courses)

A study of nutritional requirements during the medical and surgical phases of illness and rehabilitation. Modifications of the normal diet for specific disease conditions. Instructing the patient and adapting the therapeutic diet to the patient's needs.

Lectures, laboratory and guided clinical experience.

For other courses see Calendar for Faculty of Arts and Science.

McGill University

Montreal

School of Social Work

1961–1962

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PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Institute of Education
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, and School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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School of Social Work

CALENDAR FOR 1961 - 1962

1961

September 13th, Wednesday. Registration of Second year Students (9:00-12:00) and all Part-time Students (1:00-4:00)

September 14th, Thursday. Registration of First year Students.

September 15th, Friday. General Assembly and Reception for all students.

September 18th, Monday. Instruction begins.

October 6th, Friday. Fall Convocation.

December 21st, Thursday. First term ends.

1962

January 4th, Thursday, to January 6th, Saturday. Examinations.

January 8th, Monday. Second term begins.

February 16th, Friday, and February 17th, Saturday. Mid-term weekend holiday (to be confirmed).

April 13th, Friday. Last day of lectures.

April 17th, Tuesday, to April 19th, Thursday. Examinations.

April 20th, Friday, to April 23rd, Monday. Easter Vacation.

April 24th, Tuesday. Full-time field work (1st year) and full-time research (2nd year) begin. Second year Group Work students may be required to continue some field work through this period.

April 25th, Wednesday. Last day for filing M.S.W. theses for Spring Convocation.

May 30th, Wednesday. Convocation.

June 1st, Friday. Second term ends.

August 23rd, Thursday. Last day for filing M.S.W. theses for Fall Convocation.

Social Work

The School of Social Work is under the administrative jurisdiction of the Faculty of Arts and Science.

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, M.A., Ph.D., D.Sc., D. de l'U., D.C.L., LL.D., F.R.S.C. — *Principal*

David L. Thomson, B.Sc., M.A., Ph.D., LL.D., D.Sc., F.C.I.C., F.R.S.C. — *Vice-Principal*

H. N. Fieldhouse, M.A., F.R.S.C., F.I.A.L. — *Dean of McGill College (Faculty of Arts and Science)*

John J. O. Moore, M.A., Ed.D. — *Director of the School of Social Work*

Myer Katz, M.S.W., Ph.D. — *Assistant Director of the School of Social Work*

John H. Holton, B.Com. — *Secretary of the Board of Governors*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

G. A. Grimson, B.Com. — *Comptroller*

SCHOOL OF SOCIAL WORK OFFICE

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Telephone—VI. 4-6311

STAFF OF THE SCHOOL OF SOCIAL WORK

J. O. W. Brabander, M.D., C.M. *Lecturer in Medicine*

Shirley Braverman, B.A., M.S.W., McGill University School of Social Work *Supervisor of Field Work Unit*

Dorothy Freeman, B.A., Diploma, McGill School for Social Workers *Associate Professor of Social Work, Psychiatric Social Work*

Marion Garmaise, B.A., Diploma, University of Toronto School of Social Work *Supervisor of Field Work Unit*

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Margaret Griffiths, B.A., Diploma, School of Social Work, University of Toronto, M.A., School of Social Service Administration, University of Chicago *Associate Professor of Social Work, Child Welfare*

Myer Katz, B.A., MS.W., McGill University School of Social Work, Ph.D., Columbia University *Associate Professor of Social Work, Case Work, Research and Special Assignments, Assistant Director of the School*

H. David Kirk, M.A., Ph.D., Cornell University. *Associate Professor of Social Work, Research and Human Behaviour*

Bernadette Laroche, M.S.W., Laval University *Supervisor of Field Work Unit*

Heinz E. Lehmann, M.D. (Berlin) *Associate Professor of Psychiatry*

J. B. Lightman, B.A., LL.B., M.S.S., University of State of New York *Associate Professor of Social Work, Public Welfare*

Alastair W. MacLeod, B.Sc., M.B., Ch.B., D.P.H., M.R.C.P. *Assistant Professor of Psychiatry*

John J. O. Moore, B.A., M.A.(Soc. Wk.), University of Denver, Ed.D., Columbia University *Professor of Social Work, Administration, Community Organization. Director of the School*

Ellen Prince, B.A., M.S.W., McGill University School of Social Work *Supervisor of Field Work Unit*

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Supervisor of Field Work Unit

VERITY M. ROSS, M.Sc., Ph.D., McGill University
Associate Professor of Social Work, Human Behaviour, Research and Field Instruction

ARTHUR ROTMAN, M.S.(Soc.Admin.), School of Applied Social Sciences, Western Reserve University *Special Lecturer in Group Work*

DOROTHY SIROTA Diploma, School of Social Work, University of Toronto
Supervisor of Field Work, Group Work

MARY STEVENSON, B.A., Diploma, School of Social Work, University of Toronto, M.S.W., McGill University School of Social Work
Assistant Professor of Social Work, Family Welfare

RUTH TANNENBAUM, B.A., M.S.W., McGill University School of Socia Work *Supervisor of Field Work Unit*

HELEN H. TUCK, B.A., M.S.W., McGill University School of Socia Work *Associate Professor of Social Work, Medical Social Work*

ELIZABETH URTNOWSKI, B.A., M.S.W., New York School of Social Work, Columbia University *Supervisor of Field Work Unit*

EVA R. YOUNGE, M.A.
Associate Professor of Social Work and Director of Research

SESSIONAL SUPERVISORS IN FIELD WORK (Active 1960-1961)

MRS. FRANCES ANDERSON, M.S.S.
MRS. MARJORIE BEDOUKIAN, M.S.W.
MR. STANLEY CLYKE, B.S.W.
MRS. MARY COULTER, Dipl.Soc.Wk.
MR. PATRICK DEEHY, M.S.W.
DR. MAX GARFINKLE, Ph.D.
MR. CALVIN GOLDBERG, M.S.W.
MISS MARY GOLUBEVA, M.S.W.
MISS ADA GREENHILL, M.S.S.W.
MISS HENRIETTA HARVIE
MRS. M. JEAN HENSHAW, B.A., Dipl.Soc.Wk.
MR. ERNEST HIRSCHBACH, LL.D.
MRS. AGNES JOHNSTON, B.A.

Miss Rhoda Kopstein, B.S.W.
Mrs. Ethel Leigh, B.A., Dipl.Soc.Wk.
Miss Kathleen MacDonald, B.S.W.
Mrs. E. MacKenzie, B.A., Dipl.Soc.Wk.
Miss Mary MacLean, M.S.W.
Miss Patricia Morrison, M.S.W.
Mr. Henry M. Rosenthal, B.S.W.
Mrs. Rose Ross, M.S.W.
Mr. Joseph Ryant, M.S.W.
Mrs. Betty Schon, M.S.W.
Mr. William Shalinsky, M.S.W.
Mr. Isadore Tennenberg, M.Sc.
Miss Shirley Wallace, M.S.W.
Mr. E. Weiner, M.S.W.
Miss Maria Wichers, M.S.W.

CENTRES FOR FIELD INSTRUCTION

MONTREAL

Allan Memorial Institute of Psychiatry of the Royal Victoria Hospital: Director, Dr. D. Ewen Cameron

Baron de Hirsch Institute, Family Welfare Department: Executive Director, David Weiss

B'Nai B'Rith Youth Organization: Director, Mr. Joseph C. Ryant

Boys' Clubs of Canada: Executive Director, Vernon F. McAdam

Boys' Farm and Training School: Executive Director, W. F. Shepherd

Children's Service Centre: Executive Director, Mrs. Muriel B. McCrea

Department of Veterans' Affairs, Social Service Division: District Supervisor, Mrs. Gladys Fulford
Ste. Anne's Hospital, Medical Social Service Department: Director, Miss Mary M. MacLean

Family Service Association: Executive Director, Miss Elinor G. Barnstead

Federation of Jewish Community Services: Executive Director, Alvin Bronstein

GIRLS' COTTAGE SCHOOL: Executive Director, Leo Julien

JEWISH CHILD WELFARE BUREAU: Executive Director, David Weiss

JEWISH GENERAL HOSPITAL, Social Service Department: Director, Mrs. Dorothy Horn

JEWISH IMMIGRANT AID SERVICES: National Executive Director, Dr. Joseph Kage

JOHN HOWARD SOCIETY: Executive Director, Mrs. Kathleen Campbell

McGILL UNIVERSITY, SCHOOL OF ARCHITECTURE: Chairman, Committee on Physical Planning, Professor H. Spence-Sales

MENTAL HYGIENE INSTITUTE: Director, Dr. Baruch Silverman

MONTREAL BOYS' ASSOCIATION: Executive Director, C. A. Wylie

MONTREAL CHILDREN'S HOSPITAL, Social Service Department: Director Mrs. Christina G. James

MONTREAL COUNCIL OF SOCIAL AGENCIES: Executive Director, Charles H. Young

MONTREAL GENERAL HOSPITAL, Social Service Department: Director, Miss Jessie M. Lawrence

MONTREAL NEUROLOGICAL INSTITUTE, Social Service Department: Director, Miss Cynthia Griffin

NEGRO COMMUNITY CENTRE: Executive Director, S. A. Clyke

NEIGHBOURHOOD HOUSE: Executive Director, E. Weiner

N.D.G. COMMUNITY COUNCIL: President, John Cerini

NOTRE DAME HOSPITAL, Social Service Department: Director, Miss Berthe Michaud

OCCUPATIONAL THERAPY AND REHABILITATION CENTRE: Executive Director, Miss Constance Lethbridge

PROTESTANT SCHOOL BOARD OF GREATER MONTREAL, School Social Work Department: Chief School Social Worker, B. H. Brown

ROYAL VICTORIA HOSPITAL, Social Service Department

ST. ANDREW'S YOUTH CENTRE: Executive Director, Mrs. Sigrid Day

ST. LAURENT NEIGHBOURDHOOD ASSOCIATION, INC.: Executive Secretary, Miss A. I. Vail

TRAVELLERS' AID SOCIETY: Executive Director, Mrs. M. Jean Henshaw

UNIVERSITY SETTLEMENT: Executive Director, Howard R. McCartney

VERDUN PROTESTANT HOSPITAL, Social Service Deaprtment: Director Miss Lois A. E. Naylor

YOUNG MEN'S AND YOUNG WOMEN'S HEBREW ASSOCIATION: Executive Director, Harvey Golden

YOUNG WOMEN'S CHRISTIAN ASSOCIATION: Executive Director, Mrs. Ann Allee

OTTAWA

CATHOLIC FAMILY SERVICE: Director of Charities, Rev. John A. Macdonald

CHILDREN'S AID SOCIETY: Executive Director, Dan B. Fenny

School of Social Work

GENERAL INFORMATION

The McGill University School of Social Work offers a full two-year course of graduate professional education for social work. McGill University is organized by Faculties, with the School of Social Work administered under the Faculty of Arts and Science.

In 1918, McGill University founded a School for Social Workers which was discontinued in 1932. In 1933, with the approval and cooperation of the University, an independent school, offering a two-year course to university graduates and known as the Montreal School of Social Work, was established. In October 1945, the University resumed the function of social work education and the Montreal School of Social Work, by agreement with its Board of Trustees, became the McGill University School of Social Work. The final step in integrating the School into McGill University was taken in 1950, since which time the University has assumed complete responsibility for it. The School is a fully accredited member of the Council on Social Work Education, this organization having supplanted the American Association of Schools of Social Work, of which the School became a member in 1939. Through its membership in this and other national and international organizations, the School is in close touch with significant developments in social work education on the North American continent, and throughout the world.

PURPOSE

The purpose of the School is to provide qualified men and women with the preparation necessary for successful practice in all branches of professional social work. This education is offered on a graduate level, in a curriculum of courses, supervised practice, and research, planned in accordance with the general policies and standards of the Council on Social Work Education. This is a general basic two-year course of training.

THE PROFESSION OF SOCIAL WORK

During the past few decades the services of trained social workers have been increasingly sought by both public and private social welfare agencies. The supply of such workers has never kept pace with the demand and the present shortage is gravely acute. Urgent requests for graduates to fill responsible and well-paid positions are received almost daily. It is obvious that the development of social security programmes and welfare schemes of many kinds, both at home and on the international level, will afford opportunities for satisfying and useful careers to men and women who equip themselves in a school of social work to render services which fall within the following general groupings:

Social Case Work, involving direct service to individuals and families with four main subdivisions: Family Social Work, Child Welfare, Medical Social Work, and Psychiatric Social Work.

Social Group Work, designed to provide individuals with socialized experience through group activities carried on in recreation centres, social settlements, camps, community centres, hospitals, and institutions.

Community Organization, concerned with the planning, organization, and development of the community to meet changing community situations and needs.

Public Welfare, concerned with social services under public auspices, the particular relationship they provide with the clientele, their administration, and their planning.

Social Administration, dealing with the administration and planning phases of social work, including supervision of other workers, teaching, and consultant services.

Research in Social Work, which, in addition to the type of research common to all social sciences, is specifically addressed to programmes, techniques, cost, efficiency, and social significance of the work of social agencies under public and private auspices.

Graduates of the School are to be found in responsible positions in the numerous private social agencies in the cities and rural areas of Canada, and in foreign countries, as well as in the public welfare services, federal, provincial, and municipal. Increased recognition of the value of professionally trained personnel and improved salaries for all classes of social work positions in recent years indicate that well qualified graduates can look forward to fairly rapid advancement and reasonable remuneration.

RESOURCES AND EQUIPMENT

The School is an integral part of McGill University and its students are able to participate fully in the varied life of a great university. Its affiliation with the Faculty of Arts and Science assures close liaison with the Faculty's resources, particularly in the social and biological sciences. In several related fields of professional study—particularly law, medicine, and psychiatry—a rich university tradition of scholarship and achievement is available to it. It has its own building providing classroom accommodation, students' common room, and a compact up-to-date social work library to which new books, documents, and pamphlets are added continually. Students may also use the Redpath Library, the Medical Library, and special libraries in the School of Commerce, the Faculty of Law, and the Mental Hygiene Institute.

Montreal, the largest and most cosmopolitan city of Canada, affords varied community resources in both the public and private social services. A bilingual community, and the main port of entry for immigrants, it affords unique opportunities for study of social problems. The well known teaching hospitals of the city offer unexcelled opportunities for supervised social work training in medical and psychiatric settings. Four Financial Federations and two Councils of Social Agencies afford a fertile field for the study of community organization. Private family, child welfare, and group work agencies are well organized and offer diversified field experience. Local Administrative offices of Federal and Provincial Governments, such as the National Employment Service, Unemployment Insurance Commission, Workmen's Compensation Board, Old Age Pensions Board, Mothers' Allowance Commission, etc., are available for study.

DEGREES

The degree of Master of Social Work (M.S.W.) is awarded to students who complete the two-year graduate course in accordance with the regulations of the Faculty of Arts and Science.

ADMISSION REQUIREMENTS

1. DEGREE STUDENTS

Full-time (General)
Part-time (Limited Degree)

Work for the degree may be undertaken on either a full-time or part-time basis, but all requirements for the M.S.W. degree must be fulfilled within a six-year period, and no student may qualify for the degree without a session of resident study, in which he fulfills approximately two thirds of a full-time programme.

Applicants must meet the following requirements:

(a) Graduation with a bachelor's degree from a university or college of recognized standing. Applicants should have completed their undergraduate course with superior standing. This should provide a broad liberal education and should include a substantial core in the social sciences, particularly sociology, psychology, economics, and political science. The social science core would usually involve at least one introductory course in each of the above areas with more advanced courses in one of them.

A course in elementary statistics is required. Students admitted without statistics shall take such a course prior to entering their second year.

Students holding a bachelor's degree may be advised on admission to undertake some supplementary basic preparation, either prior to admission or between sessions.

(b) Good health as certified by a physician.

(c) Personal qualifications which in the opinion of the School appear to warrant expectation of success in social work.

(d) Age between 21 and 35 years except in special circumstances.

2. SPECIAL STUDENTS

Full-time (General)

Part-time (Partial)

A limited number of mature persons who are not university graduates, but whose general background and experience in social work suggest ability to profit by work in the School, may be accepted as special students at the discretion of the Committee on Admissions. Such students may be required to register in certain undergraduate courses of the Faculty of Arts and Science. A statement of standing for courses taken under examination may be obtained on request, but credit is not given towards a degree.

3. QUALIFYING STUDENTS

Full-time (General)

Part-time (Limited)

Those students who have (a) qualifications for becoming degree students, but who have not yet been accepted for degree status; or (b) those students who are not qualified for degree status, but who are in process of becoming qualified through meeting specified requirements.

ADVANCED STANDING

Courses: Students desiring to secure credit towards a degree for courses taken in other universities or schools of social work must submit official

records with any applications for such credit. Each case will be dealt with on its merits.

Field Work: In most of these cases students may be given credit for field work undertaken prior to registration in the School. The amount of such credit will be determined after the School has had an opportunity of observing the student's performance in the field.

Decisions involving questions of advanced standing will be made by the Committee on Standings.

APPLICATION AND REGISTRATION

Prospective students wishing information about the profession, or about prerequisites, should communicate with the School, where a preliminary interview will be arranged.

Application for admission must be made in advance of registration. Since enrolment is limited and the admissions policy is selective, intending students are advised to apply by *April 1st* in the year during which they desire to enter the School. Early applications will receive preferential consideration. A personal interview is arranged, at the School whenever possible; otherwise an applicant may be requested to interview a person designated by the School. Application forms may be obtained from the School of Social Work, McGill University. Applicants who are not McGill graduates must submit a certified copy of their academic record beyond high school. Applications must be accompanied by a physician's certification that applicant has been examined and is in good health.

Registration: Students in the School of Social Work will register at the School, 3600 University Street, as indicated in the School Announcement (page 3304). Registration begins Wednesday, September 13th.

All students are admitted on probation. A student may be asked to withdraw if careful review of his progress suggests this to be advisable.

Students taking a full programme of courses in any term usually cannot expect to do the work of the School satisfactorily unless they give their full time to it. Any plan for part-time employment must be fully discussed with the student's adviser.

PLAN OF STUDY—

REQUIREMENTS FOR THE MASTER OF SOCIAL WORK DEGREE (M.S.W.)

FIRST YEAR PROGRAMME

Basic courses in the following subjects are required of all candidates:

SOCIAL CASE WORK
SOCIAL GROUP WORK
HUMAN GROWTH AND BEHAVIOUR

COMMUNITY ORGANIZATION
THE SOCIAL SERVICES
SOCIAL RESEARCH
FIELD WORK

The programme of First year students is prescribed.

Requirements for the First year of work are:

1. Completion of the equivalent of five "full courses" in the above list.
2. Supervised field work (a) two days per week, September-April, (b) daily for six weeks following close of classes.

SECOND YEAR PROGRAMME

Admission to Second year standing will be restricted to those students who have obtained at least second class standing in the First year course or its equivalent and whose performance is satisfactory to the Committee on Standings. The pass mark in all courses will be 50 per cent in the First year and 65 per cent in the Second. Permission to write supplemental examinations or to repeat courses will be granted only when the School so recommends.

Students may, staff concurring, write a thesis which must be satisfactory to internal and external examiners. Students who elect not to write a thesis are required to complete other research requirements and additional courses. (See Description of Courses.)

In the Second year the student may elect to broaden and deepen his general preparation for the practice of social work or to concentrate his studies, to some extent, in a particular field of his choice.

At present the School prepares students for practice in the following fields:

FAMILY CASE WORK
CHILD WELFARE
MEDICAL SOCIAL WORK
PSYCHIATRIC SOCIAL WORK
COMMUNITY ORGANIZATION
PUBLIC WELFARE
SOCIAL GROUP WORK
SOCIAL RESEARCH
SOCIAL ADMINISTRATION

Students from Other Countries

The School is especially equipped to provide training for students planning to work in countries other than Canada and the United States.

Special courses are offered for such students (see Description of Courses) and the above plan of study is appropriately modified to meet their needs.

HOUSING AND TOWN PLANNING

The plan of study may be modified in the Second year, by special arrangement, to permit students to adapt their social work training to the field of housing and town planning.

THE DEGREE REQUIREMENTS ARE:

1. Completion of the first year programme.
2. The equivalent of four additional "full courses".
3. Supervised field work 2½ days per week September-April.
4. A thesis or an additional "full course" to 2 above.

FEES

The University reserves the right to make changes without notice in its published schedule of tuition, board and residence, and other fees if, in the opinion of the Board of Governors, circumstances so require.

(a) FULL-TIME STUDENTS

Fees for the Session, *each year:*

University Fee (including Students' Society Fee of $15.00).. $425.00

(b) PART-TIME STUDENTS

Fee for one full course (two terms)	$115.00
Fee for one half course (one term)	57.50
Student activities fee for part-time students taking less than three courses	5.00

Students fulfilling degree requirements on a part-time basis will not pay more than a maximum of one sessional fee plus the total fee for six full courses at the regular course fee, except when the thesis, or research paper, is not completed along with course and field work requirements.

Fees are due and payable at the Accounting Office immediately after registration.

When fees are paid by instalments, an instalment fee of $5.00 is charged. Special fees and penalties, and the regulations regarding payment and remission of fees, are listed in the General Information pamphlet included with this Announcement.

(c) OTHER FEES

A candidate for the Master's degree, who has completed his courses and his residence but has not completed his thesis, must pay a registration fee of $10.00 at the beginning of the session in which he intends to submit the thesis. Any student receiving thesis supervision from a member of the staff is considered to be in residence and must register for the session and pay a fee of $50.00.

Each student should budget at least $50.00 for the purchase of necessary books and texts.

Fees herein stated do not cover expenses such as carfare to and from field work, and small miscellaneous items such as materials for group work skills.

BURSARIES AND LOANS

A number of bursaries are available for the Session 1961-62.

Substantial financial assistance may be given under the Federal-Provincial Health Grants to students meeting certain specified conditions.

Similar assistance is also available through some Provincial Governments in Canada, and State Governments in the United States. Prospective students, other than those from the Province of Quebec, interested in obtaining such financial assistance, should make inquiry through their provincial or state government. Overseas students should inquire of their governments of the availability of United Nations and Colombo Plan study grants.

Fellowships, scholarships, and work-study plans are available through various private organizations such as the National Jewish Welfare Board and affiliated agencies. Inquiries regarding such funds should be made directly to the organization.

A limited number of bursaries, supported by private organizations, are available through the School.

While awards are made only to students of attainment and promise, the financial needs of applicants will receive consideration. Inquiries should be addressed to the Director.

Loans are available from the Social Work Alumni and Southam Loan Funds, from the Pi Beta Phi Loan Fund established for the use of students in financing their training or in meeting temporary or emergency needs, and from a few private welfare organizations on arrangements made by the School.

Inquiries regarding University assistance, other than here mentioned, should be made to the Registrar of McGill University.

DESCRIPTION OF COURSES

1a. SOCIAL CASE WORK I. First year (Half course). Principles and methods used in helping individuals and families meet personal and social needs through social agency resources. Significance of behaviour, evaluation of social data, process in interviewing, recording, and the professional relationship are considered. Illustrative case material and the field experience of class members will be used.

First term *Professor Stevenson*

1b. SOCIAL CASE WORK I. First year (Half course). A continuation of Course 1a above.

Second term. *Professor Stevenson*

3. SOCIAL CASE WORK WITH CHILDREN. Second year (Half course). The case work process in care and protection of children. Special needs of children living with natural parents, in foster homes, and in group settings.

Not given in 1961-62 session.

4a. ADVANCED SOCIAL CASE WORK. Second year (Half course). A seminar, aiming to deepen knowledge of psychiatric and other theoretical approaches to the practice of case work in varied settings. Emphasis is given to patterns of interaction pertinent to the family diagnosis and treatment process, and to teamwork with other professions.

Prerequisites: Courses 1a, 1b, 5a and 5b.

First term. *Professors Freeman and Tuck*

4b. ADVANCED SOCIAL CASE WORK. Second year (Half course). A continuation of Course 4a above and including the use of the group in case work practice.

Second term *Professor Freeman*

5a. HUMAN GROWTH AND BEHAVIOUR. First year (Full course). The course will approach human growth and behaviour chronologically from conception to old age. Development at each stage involves consideration of the physical, socio-cultural and psychological determinants of the growth process as interacting systems. These systems are seen as they create optimal as well as deviant adaptations of behaviour.

First term. *Professors Younge, Ross and Tuck*

5b. HUMAN GROWTH AND BEHAVIOUR. First year (Half course). A continuation of Course 5a above.

Second term *Professors Younge, Ross and Tuck*

6. PSYCHIATRIC INFORMATION II. Second year (Half course). A discussion of clinical cases focused on the dynamics of behaviour in the neuroses and in the organic and functional psychoses. Etiological factors, examination methods, and treatment procedures. The contribution of the various schools of psychiatric thought to social work. Class work supplemented by clinical observations.

First term *Professors Lehmann and MacLeod*

8a. SOCIAL GROUP WORK II. First year (Half course). A study of the theories and principles of group work practice. The nature of the social process in organized groups and its value to the individual; group experience at varying age levels; the use of play and other media in relation to the needs and adjustment of the individual; the role of the leader in group work. A discussion of group situations based on group records. An analysis of agencies and their programmes. The interrelation of group work and other fields of social work.

First term *Professor Gifford*

8b. SOCIAL GROUP WORK II. First year (Half course). A continuation of Course 8a above.

Second term *Professor Gifford*

9. SOCIAL GROUP WORK IIa. First year (Half course). A course required in connection with Social Group Work II planned to develop skill and understanding in the use of programme activities designed to meet the needs of individuals and ability to direct such activities to socially desirable ends. Consideration will be given to the fundamentals of music, traditional games, folk dancing, arts and crafts, and their adaptation to groups of various ages and types.

First and second terms.

10a. SOCIAL GROUP WORK III. Second year (Half course). An advanced course dealing with organization and leadership of various types of groups and the relation of these groups to the agency and community. Analysis of group records; agency functions in relation to leadership for staff, volunteers, and community; administrative and advisory aspects of group work.

Prerequisites: Courses 8a, 8b, 9.

First term *Professor Gifford*

10b. SOCIAL GROUP WORK III. Second year (Half course). A continuation of Course 10a above.

Second term *Professor Gifford*

11. SOCIAL GROUP WORK IIIa. Second year (Half course). A course required for students in group work field work; optional for others. A consideration of the educational skills of the social worker. The focus of the course is on the use of discussion and conference method, role-playing, programme planning, and other techniques of group education.

First or second term *Mr. Rotman*

12. COMMUNITY ORGANIZATION I. First year (Half course). An introduction to the theory and practice of community organization method. The concepts of community; the dynamics of community life; the nature and role of community organization practice; the role of the practitioner; values, verified knowledge, principles and techniques and their application to a variety of community problems.

First term *Professor Moore*

13. COMMUNITY ORGANIZATION II. Second year (Half course). An advanced course in the theory and practice of community organization method. Community organization practice in the social welfare agency, particularly individual and group service agencies, financial federations and welfare councils. The determinants of method; programme development (including research, policy-making and planning); coordination and integration; education; promotion; financing; and assessing the need for and inaugurating new agencies.

First term *Professor Moore*

14. SOCIAL WELFARE ADMINISTRATION. Second year (Half course). An introduction to the theory and practice of administration with particular reference to social welfare programmes. Principles and techniques developed in relation to the basic process of policy determination and execution. Social determinants of administration. The structure of the administrative organization. The relationship and functions of the structural components. Implications for method in: power, authority, communication, decision-making, leadership and control.

Second term *Professor Moore*

15. GOVERNMENT AND SOCIAL WORK. First year (Half course). The Canadian nation; land, resources, population. Economic development. Political institutions and administrative structure. Distribution of welfare functions among national, provincial, and municipal authorities. Constitutional problems and remedies proposed. Public finance and taxation.

Not given in 1961-62 session.

16a. THE SOCIAL SERVICES. First year (Half course). A survey course, designed primarily for First year students. Historical background of modern social

services both public and private. Analysis of major social problems today, and of the services developed to meet them. Examination of policies in such areas as public assistance, social insurance, child welfare, correction, medical care, and other health services. Interrelationships between public and private social services. Administration framework in relationship to plans for social security.

First term. *Professor Lightman*

16b. THE SOCIAL SERVICES. First year (Half course). A continuation of Course 16a above.

Second term. *Professor Lightman*

17. PUBLIC WELFARE 11(a)—CHILD WELFARE. Second year (Half course). Historical development of child welfare services in England, United States, and Canada. Interrelationships between public and private services. Examination of existing child welfare legislation with particular reference to the care of neglected and dependent children. Problems of organization and administration.

First term. *Professor Griffiths*

18. PUBLIC WELFARE II(b)—SOCIAL INSURANCE. Second year (Half course). Historical background and development. Examination of social insurance systems today. Problems of administration. Relationship to public assistance and social agencies. Problems of integration with public assistance programme.

Not given in 1961-62 session.

19. PUBLIC WELFARE II(c)—PUBLIC ASSISTANCE. Second year (Half course). Examination of essentials in a modern public assistance programme. Categorical aid. Relationship to health services and to private social agencies. Problems of organization and administration. Problems of integration with social insurance.

Not given in 1961-62 session.

20. PUBLIC WELFARE II(d)—PUBLIC WELFARE ORGANIZATION AND ADMINISTRATION. Second year (Half course). Examination of principles of public administration in a public welfare setting. Structure of major Canadian public welfare organizations. Problems of reorganization. Administrative process.

Not given in 1961-62 session.

22. MEDICAL INFORMATION II. First or Second year (Half course). Further consideration of the rehabilitation problems of adults and children in relation to selected disease entities.

Second term. *Dr. Brabander, Professor Tuck, and medical lecturers*

23a. MEDICAL SOCIAL WORK. Second year (Half course). A course designed for advanced students interested in the practice of social case work in the medical setting.

Not given in 1961-62 session. *Professor Tuck*

23b. MEDICAL SOCIAL WORK. Second year (Half course). A consideration of the organization of hospital social service departments; social implications of various administrative services within the hospital; participation of the medical social worker in medical and nursing education; function of the medical social worker in extramural programmes for health and medical care; growth and development of medical social work.

Second term *Professor Tuck*

Not given in 1961-62 session.

24. NUTRITION AND COST OF LIVING. Second year (Half course). Elements of nutrition. Essentials of an adequate diet with special reference to the properties of the commoner food materials and their cost. Some consideration of cost of living standards at the health and decency level.

Not given in 1961-62 session.

25. LEGAL ASPECTS OF SOCIAL WORK. Second year (Half course). The essential principles of law and their relation to problems encountered by social workers in the performance of their duties.

Not given in 1961-62 session.

26. PUBLIC RELATIONS. Second year (Half course). A study of the interpretation of social work to the public. Publicity, methods and media. The role of the volunteer. Students participate in preparation of material for newspaper publication, radio, reports, etc.

Not given in 1961-62 session.

27. HISTORY OF SOCIAL WORK. Second year (Half course). Social work seen in perspective through a study of charity, law, the industrial revolution, and subsequent nineteenth century social movements. Persons and processes active in the antecedents, origins, and development of social work are observed in relation to the social history and thought of their respective periods. *Professor Moore*

28. SOCIAL RESEARCH METHODS I. First year (Half course). An introduction to the fundamental principles of research in the field of social work and allied social investigation.

Second term *Professor Younge*

29a. SOCIAL RESEARCH METHODS III. Second year (Half course). Critical analysis of current social work research; emphasis on methodological problems; students' presentations and discussion will be used.

Prerequisite: Course 28.

For students who elect not to write a thesis.

First term — *Professors Younge and Katz*

29b. SOCIAL RESEARCH METHODS IV. Second year (Half course). Completion of a report by Second year students on a topic selected during the first term in one of the current courses; tutorial assistance by staff members with some group discussion.

Prerequisites: Courses 28 and 29a.

For students who elect not to write a thesis.

Second term — *Members of the Staff*

30. RESEARCH SEMINAR. Second year (Full course). Individual and group conferences dealing with student theses.

For students who elect to write a thesis.

First and second terms — *Professor Younge and Thesis Advisers*

31. SEMINAR IN SOCIAL WORK. Second year (Half course). A discussion course presenting typical problems encountered in various fields of social work.

To be arranged. — *Members of the Staff*

32. INTRODUCTION TO SUPERVISION (Half course). A discussion of basic concepts implicit in supervision as an administrative and teaching process. Open to students who are having or who have had experience as supervisors. — *Professor Freeman*

33. SEMINAR IN SUPERVISION (Half course). An advanced course. Supervised practice may be arranged concurrently.

Prerequisite: Course 32 or substantial supervisory experience.

Professor Freeman

34. INTERNATIONAL WELFARE AND COMPARATIVE SOCIAL LEGISLATION (Half course). A course designed particularly for students from countries other than Canada and the United States, covering the role and scope of international welfare organization and practice, and welfare legislation, in selected geo-social areas, and principles and practices applicable to the development and implementation of welfare legislation.

Professor Lightman

35. INTERNATIONAL SEMINAR IN SOCIAL WORK (Half course). A discussion course designed particularly for students from countries other than Canada and the United States, and based upon intensive study of and

reports on selected countries; with particular emphasis on identifying major social problems, understanding the social forces bearing on these problems, and considering appropriate professional approaches to aid in their solution. *Professor Lightman*

36. ADVANCED INTERNATIONAL SEMINAR IN SOCIAL WORK (Half course). An extension of Course 35. *Professor Lightman*

FACULTY OF GRADUATE STUDIES AND RESEARCH

Related courses in the Faculty of Graduate Studies and Research may be used, with permission, to meet the special interests of students possessing the necessary prerequisites.

McGill University

Montreal

School of Physical and Occupational Therapy

Davis House

1961-1962

McGill University

Montreal

School of Physical and Occupational Therapy

Davis House

1961-1962

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:—

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Institute of Education
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture and School of Household Science)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. For limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

School of Physical and Occupational Therapy

The School of Physical and Occupational Therapy is under the administrative jurisdiction of the Faculty of Medicine.

ADMINISTRATIVE OFFICERS

F. Cyril James, Chevalier de la Légion d'Honneur, Ph.D., D.Sc., D. de L'U., D.C.L., LL.D., F.R.S.C. — *Principal*

David L. Thomson, M.A., Ph.D., LL.D., D.Sc., F.C.I.C., F.R.S.C. — *Vice-Principal*

Lloyd G. Stevenson, M.D., Ph.D. — *Dean of the Faculty of Medicine*

Guy H. Fisk, B.A., M.D., C.M., D.T.M. & H. (Eng.) — *Director and Associate Professor*

Helen M. Gault, B.Sc. (P. & O.T.), T.M.M.G., T.M.E. (Eng.) — *Assistant Professor*

John H. Holton, B.Com. — *Secretary of the Board of Governors*

Colin M. McDougall, D.S.O., B.A. — *Registrar*

A complete list of the teaching staff of the University, including the School of Physical and Occupational Therapy, is printed as a separate Announcement, which may be obtained from the Registrar's Office.

SCHOOL OF PHYSICAL AND OCCUPATIONAL THERAPY OFFICE

DAVIS HOUSE

3654 Drummond Street

Montreal 2

Telephone — VI 4-6311

GENERAL INFORMATION

The aim of the course in Physical and Occupational Therapy is to provide a supply of adequately trained graduates who will be qualified to work as physical and occupational therapists in hospitals, institutions, and private homes.

Physical Therapy is the use of heat, light, water, electricity, and mechanical agents, including massage and remedial gymnastics, in the treatment of injury and disease. Occupational Therapy is the specific application of activities in the treatment of injury or disease. The media used include arts, crafts, recreation, prevocational and rehabilitation training. Physical and occupational therapists are trained in the use of these healing agents under the direction of a physician, such treatments being prescribed by the physician and carried out according to prescription. There is a steadily growing demand for qualified physical and occupational therapists in both civilian life and the armed services. In the armed forces physical and occupational therapy sisters are given the same rank and commission as nurses. In civilian life they work in hospitals, industries, clinics, and in private homes, under the direction of doctors.

DEGREE COURSE - B.Sc. (PHYSICAL AND OCCUPATIONAL THERAPY)

The full curriculum consists of five academic years at the University. During these years the student will take an organized course in pure science together with professional training in Physical Therapy and Occupational Therapy. Throughout the course ample provision has been made for practical hospital instruction, in addition to the University training. This hospital training is carried out at the Montreal Children's Hospital, the Montreal General Hospital, the Royal Victoria Hospital, the Verdun Protestant Hospital, the Queen Mary Veterans' Hospital, and the Royal Edward Laurentian Hospital.

The degree student will take Anatomy as one continuation subject and at the beginning of the Fourth year will choose between Physiology or Psychology, as the second continuation subject.

Upon satisfactory completion of the entire course, a Degree will be granted by the University. The Degree offered is Bachelor of Science (Physical and Occupational Therapy), B.Sc.(P.&O.T.)

DIPLOMA COURSE IN PHYSICAL THERAPY

Students will take the same First and Second years as the Degree Course students. The Third year students will take:

ANATOMY P. 2
ELECTROTHERAPY 2 and 3
CLINICAL THERAPY 2

PHYSICAL THERAPY 2 and 3A
Hospital practice 460 hours
PHYSIOLOGY 22

DIPLOMA COURSE IN OCCUPATIONAL THERAPY

Students will take the same First and Second years as the Degree Course students. The Third year students will take:

ANATOMY P. 2
CLINICAL THERAPY 2
PHYSICAL THERAPY 3A (half course)
OCCUPATIONAL THERAPY 2A, 2B, 3A, 3BI and 3BII, 4BII
Hospital practice 460 hours
PHYSIOLOGY 22

POSTGRADUATE TRAINING

A two-year period of postgraduate study is available in either Physical or Occupational Therapy to meet the teaching requirements of the Associations.

ADMISSION

Women students only are admitted to the course.

ACADEMIC REQUIREMENTS

For admission to the First year

Junior Matriculation in the subjects required for admission to the B.Sc. course in the Faculty of Arts and Science with an average of at least 70%. Students applying for admission in 1962 and succeeding years should take the tests offered by the College Entrance Examination Board. These consist of a Scholastic Aptitude Test (in two parts - Verbal and Mathematical), and three Achievement test which may be selected by the student in consultation with his school principal, and should include two of Intermediate Mathematics, Physics, and Chemistry. Information about taking the tests may be obtained from the Educational Testing Service, P.O. Box 592, Princeton, N.J.

For admission to the Second year

Senior Matriculation or one year of college work with satisfactory standing in English Literature, English Composition, Mathematics (Algebra and Trigonometry), Physics, Chemistry, and Biology.

Candidates should address all applications to:

Professor Guy H. Fisk,
Director, McGill School of Physical and
Occupational Therapy,
3654 Drummond St.
Montreal 2.

The intending student should state on the application form for which year she is applying.

PHYSICAL REQUIREMENTS

Candidates, in order to qualify for admission, must pass satisfactorily a complete physical examination.

REGISTRATION

Registration will take place at Davis House for the—

1st year, Monday, September 18th;
2nd year, Friday, September 22nd;
3rd year, Wednesday, September 6th;
4th year, Wednesday, September 6th;
5th year, Wednesday, September 6th;

FEES

The fees are $400.00 per annum, including Students' Society fees. Fees are due and payable at the Accounting Office during the hours of 9 a.m. to 4 p.m., on Registration Days. If desired, fees may be remitted by mail on or before the due dates. They may be paid in two instalments, in which case there is a charge of $5.00. The second instalment is due on or before January 15th. When fees are paid in two instalments, half the total fee is payable with each instalment.

Students registering late pay their fees at the time of registration, failing which they become subject to the provisions of the following paragraph:

Immediately after the prescribed dates for the payment of fees the Chief Accountant will send to the Director of the School a list of the registered students who have not paid their fees. The Director will thereupon suspend them from attendance at classes until such time as the fees are paid or a satisfactory arrangement is made with the Chief Accountant.

Supplemental examination fees are $10.00 for each paper.

Penalty for late payment of fees.....$2.00

Late registration fee.....$5.00

PRIZES

The Lieutenant Governor's Gold Medal is awarded to the student with the highest standing throughout the degree course.

The Canadian Physiotherapy Association presents a Book Prize annually to the student with the highest standing in the Final year of the degree course.

The Quebec Society of Occupational Therapy Book Prize is awarded annually to the student with the highest standing in practical application of Occupational Therapy in the Third year of the Diploma course.

The Dr. F. G. Finley Book Prize is presented annually to the student with the highest standing in the Third year of the Physical Therapy Diploma course.

SCHOLARSHIPS ANNOUNCEMENT

A complete list of scholarships and bursaries and the regulations governing the various loan funds are given in the Announcement of Scholarships, Bursaries, and Loan Funds which may be obtained from the Registrar's Office.

EXAMINATIONS

The pass mark in any course is 50%.

At the conclusion of each course examinations will be held and the student graded as follows:

1st class	—	80 - 100
2nd class	—	65 - 79
3rd class	—	50 - 64
Failure	—	Below 50

In reporting the grading, the names of those students who obtain First Class standing will be arranged in order of merit. In all other grades the arrangement will be alphabetical.

The quality of the English used by a candidate will be taken into account in all examinations.

All results of the examination will be released by the Director's Office after due consideration by the Faculty. No examination results will be communicated by any other channel.

A student who fails in one subject will be required to pass a supplemental examination during the following September. Written application to write a supplemental examination must be received at the Director's Office by August 1st. A fee of $10.00 for each supplemental paper is payable to the Accounting Office as soon as the application has been approved. No supplemental examination may be written more than twice.

All conditions must be removed by May in the following session. If a student fails at this time she will not be permitted to proceed further in the course.

A student who fails in more than one full course may, at the discretion of the Committee of the School of Physical and Occupational Therapy with the concurrence of the Promotion Committee of the Faculty of Medicine, be required to withdraw from the School.

A student who has been permitted to repeat a year is required to make at least Third Class standing. If this standing is not attained the student will not be permitted to continue the course.

No year may be repeated more than once, nor may a student repeat a subsequent year. By special recommendation of the Committee of the School of Physical and Occupational Therapy, with the concurrence of the Promotion Committee of the Faculty of Medicine, a student may be permitted to carry one condition. If the student fails to remove this condition by the end of the session she will revert to the previous year.

A student, who for reasons of illness or family affliction, has been unable to write one or more sessional examinations, may receive permission to write September supplementals in their stead. Application to do so must be made to the Director before August 1st, but no fee will be charged.

The Faculty reserves the right to require the withdrawal of any student at any time if in the opinion of her instructors she is incompetent.

LICENCE TO PRACTISE

Certain provinces of the Dominion of Canada and states of the United States of America require that those intending to practise physiotherapy within their borders comply with special provincial or state licensing requirements. Intending students should therefore consult with the province or state authorities before registering.

In Canada, further details can be obtained from the Canadian Physiotherapy Association, 64 Avenue Road, Toronto 5, Ontario.

In the United States, communicate with the American Physical Therapy Association, 1790 Broadway, New York 19, N.Y.

The School of Physical and Occupational Therapy, McGill University, is registered with the University of the State of New York.

ASSOCIATION MEMBERSHIP

The Canadian Physiotherapy Association and the Canadian Association of Occupational Therapy have special postgraduate interning requirements for Diploma students.

In order to join the Canadian Physiotherapy Association graduates are required to do five months' postgraduate interning.

In order to join the Canadian Association of Occupational Therapy graduates are required to do six months' postgraduate interning.

COURSES OF INSTRUCTION

FIRST YEAR

ENGLISH 100.—LITERATURE (Fac. Arts and Sci.) (Full course).

3 hours of lectures and conferences.

ENGLISH 100C.—ELEMENTARY COMPOSITION (Fac. Arts and Sci.)

1 hour weekly throughout the session.

MATHEMATICS 111—TRIGONOMETRY, ALGEBRA, ANALYTICAL GEOMETRY (Fac. Arts and Sci.) (Full Course).

PLANE TRIGONOMETRY. Radian measure, logarithms, definitions of the trigonometrical functions, relations between the trigonometrical functions, reduction of angles, addition formulae, transformation of sums and products, logarithmic solution of triangles, problems in heights and distances, inverse functions, solution of trigonometric equations, graphs.

ALGEBRA. Variation, progressions, permutations and combinations, mathematical induction, binomial theorem, theory of quadratic equations.

ANALYTICAL GEOMETRY. The analytic geometry of the straight line and circle.

3 hours.

PHYSICS 11.—GENERAL COURSE (Fac. Arts and Sci.) (Full course). A general course covering the elementary portions of mechanics, sound, heat, magnetism, electricity, light, and atomic physics. Simple applications of fundamental principles to well known phenomena are explained with the aid of demonstrations, laboratory work, and numerical examples.

3 hours. Laboratory (11L): 2 hours.

CHEMISTRY 11.—GENERAL CHEMISTRY (Fac. Arts and Sci.) (Full course). General survey of chemical theory and of inorganic chemistry, including atomic and kinetic theories, equivalent, atomic and molecular weights, gases, liquids, solids, solutions, ionization, oxidation and reduction, velocities of reactions, chemical equilibrium, heats of reaction, electromotive series, periodic table, preparation and properties of important elements and compounds.

3 hours lectures, and 3 hours laboratory.

BIOLOGY 100.—THE HIGHER PLANTS AND ANIMALS (Full course). An introductory course in Biology, covering the higher plants and animals. The course is given in two sections. Section X considers the plants in the

first term and the animals in the second term. Section Y considers the animals in the first term and the plants in the second term.

2 hours lectures and 3 hours laboratory.

SECOND YEAR

CHEMISTRY 72A.—ORGANIC CHEMISTRY (ELEMENTARY, WITHOUT LABORATORY) (Fac. Arts and Sci.) (Full course). Special characteristics of carbon and its compounds; the principles of functionality, homology, and isomerism; nomenclature, occurrence, preparation, physical and chemical properties, and uses of the more important organic compounds.

2 hours, one tutorial.

ANATOMY P. 1.—THE ANATOMY OF THE AXIAL SKELETON AND OF THE UPPER AND LOWER EXTREMITY (Fac. Medicine). A course designed to familiarize the student with the basic framework of the head, neck, and trunk, and the detailed anatomy of the arm and leg.

3 hours lecture, and 2 hours laboratory. *Professor C. P. Leblond and Staff*

PSYCHOLOGY 21.—Introduction to Psychology (Full course). A biologically oriented outline of the modern approach to psychology.

2 hours and 1 weekly conference. *Professor Hebb and Staff*

CLINICAL THERAPEUTICS 1. Elementary consideration of disease processes commonly seen in patients treated by physical and occupational therapists.

1 hour lecture. *Professor Fisk*

PSYCHIATRY 1. A course in psychiatry, with introductory lectures in normal psychology as a basis for the study of psychiatric disorders treated by physical and occupational therapists.

1 hour lecture. *Dr. F. W. Lundell*

PHYSICAL THERAPY 1.

A. A course covering the requirements of students in Physical and Occupational Therapy in body mechanics, kinesology and remedial gymnastics and their application to the more common disabilities.

2 hours lecture, and 3 hours laboratory. *Miss J. Ward, Mrs. P. Pearce*

B. A course of massage and the application to medical and surgical conditions.

4 hours laboratory. *Mrs. P. Pearce*

C. A theoretical and practical course in the treatment, where applicable, by physical means, of diseases of the respiratory, cardio-vascular, abdominal, and skeletal systems. This course is correlated with the lectures in clinical therapy and occupational therapy.

2 hours lectures, and 3 hours laboratory. *Mrs. Gault*

ELECTROTHERAPY 1. A theoretical and practical course in the physical principles and the details of technique of direct and low frequency currents for therapeutic purposes.

1 hour lecture, and 1 hour laboratory. *Miss E. P. Aston*

OCCUPATIONAL THERAPY 1.

The history, development and scope of Occupational Therapy. A study of the basic principles of Occupational Therapy applied to mental and physical disability. An introduction to Group Dynamics.

Leatherwork, copper tooling, puppetry, cord knotting and soap carving.

Adapted equipment, and activities of daily living.

Recreation—a study of individual, group and remedial games.

3 hours lectures and 4 hours laboratory. *Miss E. N. Dunkin*

HOSPITAL PRACTICE—112 hours.

THIRD YEAR

ANATOMY 2.—SYSTEMATIC ANATOMY. P. 2. Lectures and demonstrations designed to provide a knowledge of the anatomical structure of the vital organs by systems.

2 hours lectures, and 2 hours laboratory.

Professor C. P. Leblond and Staff

PHYSIOLOGY 22.—ELEMENTARY PHYSIOLOGY (Fac. Arts and Sci.) (Full course). For Second and Third years Arts and Science students. An account of general physiological principles, combined with an introduction to basic techniques, intended primarily for students who will specialize in one of the biological sciences.

2 hours lectures, and 3 hours laboratory.

CLINICAL THERAPEUTICS 2. A detailed consideration of the diseases and injuries requiring treatment with physical and occupational therapy. The application of treatment to specific symptoms will be dealt with in detail. Specialists in various branches of medicine and surgery will give lectures.

2 hours lectures. *Professor Fisk and Staff*

PHYSICAL THERAPY 2. A practical and theoretical course including massage and remedial exercises, hydrotherapy, progressive resistance and suspension exercises, for medical and surgical conditions, from early treatment to rehabilitation.

116 hours. *Miss E. P. Aston, Miss J. Ward, Mrs. P. Pearce*

ELECTROTHERAPY 2. A course in theory and application of ultra-violet radiations and diathermy (high frequency) apparatus.

1 hour lecture, and 2 hours laboratory. *Mrs. Gault*

OCCUPATIONAL THERAPY 2.

A. A study of the principles of occupational therapy used in the treatment of neuromuscular disorders with emphasis on the adaptation of equipment.

1 hour lecture.

B. A course in occupational therapeutic techniques and their application to specific disabilities.

Woodwork, metalwork, weaving, needlework, glove making. Adapted equipment.

130 hours. *Miss E. N. Dunkin*

HOSPITAL PRACTICE—424 hours.

FOURTH YEAR (DEGREE COURSE)

BIOCHEMISTRY 31.—GENERAL PHYSIOLOGICAL CHEMISTRY (Fac. Arts and Sci.) (Full course). A general survey of the chemistry of carbohydrates, fats, steroids, and proteins, their transformations in the body, and the composition of the body in health and disease.

ANATOMY 3.—P. 3. Arm and Leg.

2 hours lectures, 4 hours laboratory.

Professor C. P. Martin and Staff

PSYCHOLOGY 34A.—DYNAMICS OF BEHAVIOUR (Half course). Facts and theories of emotion and motivation.

First term: 2 hours and one weekly conference. *Professor Bindra*

34b. THEORY OF PERSONALITY (Half course). Consideration of current theories of personality, normal and abnormal.

Second term: 2 hours and one weekly conference. *Professor Bindra*

SOCIOLOGY 21Z.—INTRODUCTION TO SOCIOLOGY (Full course).

3 hours.

ELECTIVE COURSE—Students will select one of the following subjects:

Bacteriology 4
Fine Arts 201
Economics 100
Psychology 42

PHYSICAL THERAPY 3.

A. A course in the theory and practical treatment by physical and occupational therapy of neurological diseases.

2 hours lectures. *Members of the Staff*

B. Discussion of the latest comparative methods of treatment by physical means.

2 hours per week. *Mrs. Gault*

OCCUPATIONAL THERAPY 3.

A. A course in Departmental Management.

8 hours *Miss E. N. Dunkin*

B. A course in therapeutic techniques and their application to specific disabilities.

1. Pottery and lino block printing.

2. Art—instruction in the use of water colours, and oil paints.

2 hours per week.

3. Bookbinding and book repair. Leather carving.

2 hours per week. *Miss E. N. Dunkin*

HOSPITAL PRACTICE—240 hours.

FIFTH YEAR (DEGREE COURSE)

PHYSIOLOGY 31.—INTERMEDIATE PHYSIOLOGY (One and one half courses). A more detailed survey of the subject, with special emphasis on the physiology of man.

3 hours lectures, 3 hours laboratory and seminar.

PSYCHOLOGY 33. DEVELOPMENT PSYCHOLOGY. Third Year (Full course). The development of human behaviour from early prenatal stages to adolescence, with attention particularly to motor behaviour, language, intelligence, emotion, personality and social behaviour.

3 hours. *Professor Rabinovitch*

EDUCATION 301. General Principles of Education.

3 hours.

ELECTIVE COURSE—Students will select one of the following subjects:

Histology
Genetics 21
Sociology 301 or 303
Psychology 46 — nouveau chevy

CLINICAL THERAPY. Review of the more important conditions treated by physical and occupational therapy.

1 hour. *Professor Fisk*

PHYSICAL THERAPY 4. An advanced course of clinical teaching of conditions where physical therapy and electrotherapy are applicable.

2 hours per week. *Mrs. Gault and Miss E. P. Aston*

OCCUPATIONAL THERAPY 4.

A. A study of rehabilitation with emphasis on job analysis, work testing, and pre-vocational assessment.

1 hour per week.

B. A course in special techniques and their adaptations.

I. Construction of self-help equipment and splints.
II. Cane, reed, and raffia work.

40 hours. *Miss E. N. Dunkin*

HOSPITAL PRACTICE—500 hours.

McGill University

Montreal

Department of University Extension

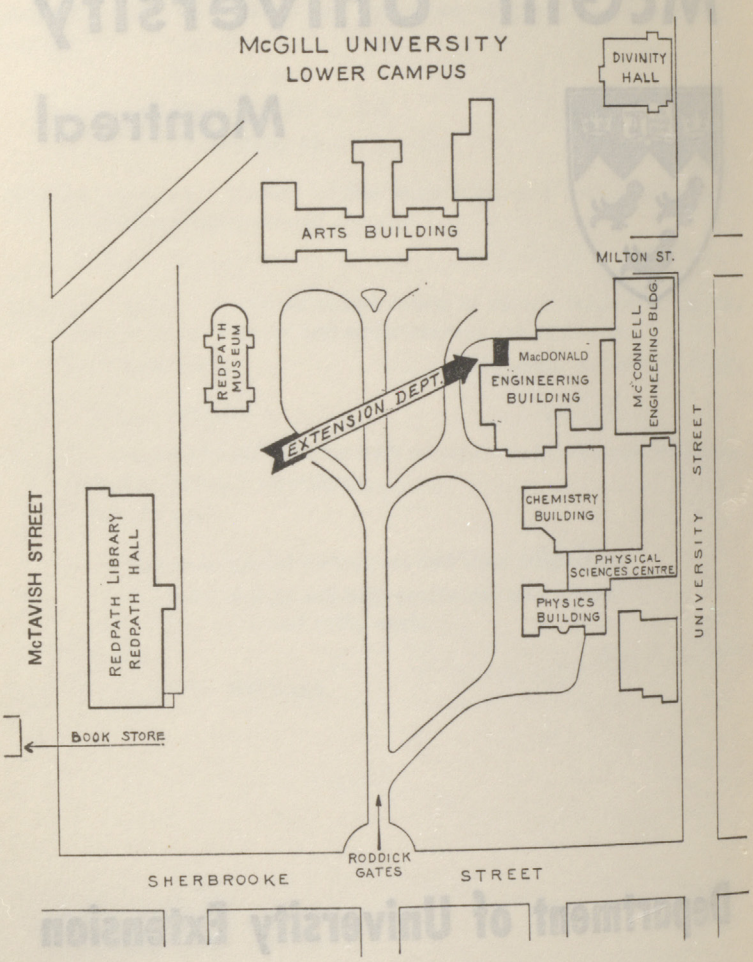
Evening Courses 1961-1962

McGill University

Montreal

Department of University Extension

Evening Courses 1961-1962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FOREWORD

Listed in this booklet are 220 evening courses, the 1961-62 program of the Extension Department of McGill University. Thirty-two of these are new courses this year, selected with a view to meeting new needs and new interests. The remainder have been offered in previous years and have met a good response. The total enrollment last year, including Macdonald College courses, was 8,932.

Courses leading to the following diplomas are offered:

French-English Translation
Management and Business Administration
Electrical and Mechanical Engineering.

The course work required for the Master of Engineering degree in Electrical Engineering may be completed through evening study. Courses preparatory to the examinations of the Institute of Chartered Accountants of Quebec, the Society of Industrial and Cost Accountants and of the Corporation of Professional Engineers of Quebec are also offered, although in the latter case the offerings are not complete. In addition there are a great many semi-professional and cultural courses which have proved popular over the years.

The courses being offered at Macdonald College will be found at the back of this booklet. If you live near the west end of the island you may find the courses at Macdonald College more convenient to attend than those at McGill.

It is the aim of the Extension Department to provide for the continuing educational needs of the Montreal community. We hope that in this year's program you will find what you need.

The subject index in the pages which immediately follow will give you a quick reference to the content of each course. A registration card is enclosed which should be filled in and sent to the Extension Office.

H. R. C. Avison, M.A.
Director of University Extension.

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GENERAL INFORMATION

MACDONALD COLLEGE EXTENSION COURSES. See page 3977.

McGILL UNIVERSITY EXTENSION COURSES:

REGISTRATION.—You may register by mail, starting September 6th.

Please use the enclosed card, fill in all four sections, and mail it, with your cheque or money order (payable to McGill University), to the Extension Office.

ALL of the information asked for on the card—your address, telephone numbers, employer, educational background, etc.—is important to us in conducting the program and in planning for future courses. If we do not have your telephone number, we cannot notify you of the cancellation of a lecture. We would appreciate your cooperation.

Although registration by mail is advisable, students may register in the Extension office, now located in the Macdonald Engineering Building, as follows:

Accountancy Students.—See page 3943.

Other Evening Students.—

Day Registration: 9 a.m. to 2:30 p.m., Monday to Friday inclusive, September 6th to October 16th.

Evening Registration: 5:30 to 8 p.m., Mondays and Wednesdays only, September 11th to 27th.

First term registration closes October 19th for language classes, and October 26th for all others. Second term registration closes February 9th.

LIMITED CLASSES.—In many of the courses as, for example, language classes, in which the progress of the student is dependent on his participation and the individual attention of the instructor, the size of the class is limited. In such cases, enrolment is on a "first come, first served" basis. It is advisable, therefore, to register early.

FEES.—The fee as indicated for each course is payable in advance, at time of registration. If, after the first or second lecture *in the course*, you find that the course seems unlikely to meet your needs, a refund of the whole fee may be obtained by presenting your Student card, together with any material handed to you in class, at the Extension office between the hours of 9 a.m. and 2:30 p.m. *No refunds will be made after the date of the third lecture in the course.* This means that, if you register for a course *after*

the third lecture in that course, you cannot obtain a refund. If refund by mail is desired, the Student card must reach the Extension office *before the third lecture* and three weeks be allowed by the student for receipt of refund cheque.

TRANSFERS.—No transfers from one course to another will be made after the third lecture in the course to which transfer is requested. To transfer, the student must bring his "Student" card to the Extension office and fill out a registration card for the new course.

CANCELLATION OF COURSES.—The student fee charged for these evening courses is essentially what it costs to put them on, assuming a certain minimum registration. If the registration in a course is less than the required minimum, the Committee reserves the right to cancel the course and refund fees.

If you are particularly anxious to take a course, may we suggest that you seek to interest your friends in it in order to ensure that at least this minimum registration is obtained.

EXAMINATIONS.— An examination, optional to students, will be available in the majority of courses. A certificate will be supplied to successful candidates. The pass mark is 50 per cent unless otherwise indicated.

Supplemental examinations will be given in credit courses, i.e., graduate Engineering and M.B.A. Diploma, as well as in some Accountancy courses. All supplemental examinations will be held during the last week in August. Written application should be made, not later than August 1st, to the Extension Department for all supplemental examinations with the exception of Accountancy; for Accountancy supplementals, see page 3946. The fee is $10 for each supplemental examination and must accompany application.

NOTICES.—It is to your advantage to consult the Extension notice board in the building in which your class is held.

TEXT BOOKS.—All required text books and some of the suggested reference texts may be purchased at The McGill University Book Store, which is open Monday to Friday, from 8:30 a.m. to 5 p.m., and on Saturday from 9 a.m. to noon.

From September 25th to October 19th inclusive, text books will be available *only* at the branch of the Book Store located in the Arts Building basement; this branch store will be open, *Monday to Thursday, from 8:30 a.m. to 8:15 p.m., on Friday until 5 p.m., and on Saturday until 12 noon.*

After October 19th, the text books will be available only in the main store at 3416 McTavish Street.

THANKSGIVING HOLIDAY.— No classes will be held on Monday, October 9th.

CHRISTMAS HOLIDAYS.—The last lecture before Christmas will be on Thursday December 14th. The first lecture in 1962, in continuing courses, will be on Monday, January 8th.

For new courses beginning in January, ask early in January for special announcement.

EXTENSION OFFICE.— NEW LOCATION.— The Extension office is located in the Macdonald Engineering Building. It is the third building on the right after entering the Campus from Sherbrooke Street. (See map.)

The Macdonald Engineering Building should not be confused with the McConnell Building, the new building which is located on the corner of University and Milton Streets.

PARKING.—Prospective students should note that no student parking is permitted on the Campus at any time.

TELEPHONE—VI. 4-6311, Local 304 (before 5 p.m.)

SECTION A

NON-TECHNICAL COURSES

DRAWING AND PAINTING, ELEMENTARY (non-professional). Mr. Patrick Landsley. Fee $35.00 per term of 10 periods of 2 hours. Classes limited. Studio: McConnell Engineering Building, Room 308.

Neither talent nor previous experience is required for these classes which are intended for adults. Experience will be acquired in drawing and painting from life and still life. The course is not one of formal instruction; therefore each person is encouraged to approach the artistic problem with the degree of insight he has and develop this as far as he is able. All materials are supplied except brushes.

A1. First term, Mondays, 8 p.m., beginning October 2nd.

A3. Second term, Mondays, 8 p.m., beginning January 22nd.

DRAWING AND PAINTING, INTERMEDIATE (non-professional). Mr. Patrick Landsley. Fee $35.00 per term of 10 periods of two hours. Classes limited. Studio: McConnell Engineering Building, Room 308.

This course is similar to the elementary course and is a continuation of it. Applicants must have had some introductory non-professional instruction, at McGill or elsewhere. All materials will be supplied with the exception of brushes.

A2. First term, Thursdays, 8 p.m., beginning October 5th.

A4. Second term, Thursdays, 8 p.m., beginning January 25th.

A7. MUSIC APPRECIATION. Mr. Donald Mackey. 10 lectures of 1½ hours, Wednesdays at 8 p.m., beginning October 4th. Conservatorium of Music, 3426 McTavish Street. Fee $15.00.

This course, illustrated with recordings, has been planned to help the listener to a greater enjoyment of music. *Text:* Aaron Copland, *What to Listen for in Music* (Mentor).

A8. PRE-SCHOOL MUSIC. Mrs. Gertrude C. MacFarlane, Macdonald College. 10 lectures of 1½ hours, Wednesdays at 8 p.m., beginning October 4th. Conservatorium of Music, 3426 McTavish Street. Fee $15.00.

This course, for teachers and parents, will explore the possibilities of music for children under six. Materials, methods, and techniques will be considered, with special reference to the particular problems of the members of the group.

INTRODUCTORY SURVEY OF ENGLISH LITERATURE. Mr. Hugh Sproule, Department of English. Two series of ten 1½-hour lectures. Arts Building. Fee $15.00 each series.

The two series combined offer a chronological survey of English literature from the beginning to the present day. In each of the major periods of development, a review of the historical and social background will be given and representative authors discussed.

A11. Tuesdays at 8 p.m., beginning October 3rd.

A12. Tuesdays at 8 p.m., beginning January 23rd.

THE NOVEL SINCE 1800. Mr. Hugh Sproule. Two series of ten 1½-hour lectures. Arts Building. Fee $15.00 each series.

A13. Mondays at 8:15 p.m., beginning October 2nd.

The development of the novel form will be studied and discussed in the following works: *Pride and Prejudice* and *Mansfield Park* (Jane Austen); *The Mill on the Floss* and *Silas Marner* (George Eliot); *Vanity Fair* (Thackeray); *Wuthering Heights* (Emile Brontë); *David Copperfield* (Dickens); *Barchester Towers* and *The Warden* (Trollope). *Texts:* any edition of the novels indicated.

A14. Mondays at 8:15 p.m., beginning January 22nd.

This phase of the course will deal with the novel from mid-nineteenth century to the present day: *Middlemarch* (George Eliot); *Tess of the* d'Urbervilles (Hardy); *The Way of All Flesh* (Samuel Butler); *The Old Wives' Tale* (Arnold Bennett); *Lord Jim* (Conrad); *A Passage to India* (E.M. Forster); *Of Human Bondage* (Maugham); *An American Tragedy* (Theodore Dreiser); *Point Counterpoint* (Aldous Huxley); *Mrs. Dalloway* (Virginia Woolf). *Texts:* any edition of the novels indicated.

TWENTIETH CENTURY LITERATURE. Mr. Paul H. Stacy, Department of English. Two series of ten 1½-hour lectures. Arts Building. Fee $15.00 each series.

A15. Wednesdays at 8:15 p.m., beginning October 4th.

In an intensive study of a few modern writers who have changed the shape of literature, the primary focus will be on difficulties of style. The syllabus will include the poetry of Yeats, Pound and Dylan Thomas, and the novels of Joyce, Faulkner, Wolfe and Lawrence. Each period will be divided between lecture and discussion.

A16. Wednesdays at 8:15 p.m., beginning January 24th.

A study of additional works of the same men will be followed by a sampling of their 1960-1962 followers—beatniks, southern writers, symbolists, Freudians, stream-of-consciousness writers, and others.

SHAKESPEARE. Mr. Paul H. Stacy. Two series of ten 1½-hour lectures. Arts Building. Fee $15.00 each series.

A17. Thursdays at 8:15 p.m., beginning October 5th.

Each meeting of the class will focus on a different, specific aspect of one play of Shakespeare's middle years: *The Merchant of Venice* as stagecraft, *Henry IV* as history, *Much Ado about Nothing* as comedy, *Julius Caesar* as poetry, *Hamlet* as psychology, *Troilus and Cressida* as philosophy, *Othello* as tragedy.

A18. Thursdays at 8:15 p.m., beginning January 25th.

The plays studied in the second term are from his later years: *King Lear*, *Macbeth*, *Antony and Cleopatra*, *Coriolanus*, *Timon of Athens*, *The Winter's Tale*, *The Tempest*.

A19. CONTEMPORARY GERMAN LITERATURE (in German). Dr. A. Arnold, Department of German and Russian. 10 lectures of 1½ hours, Tuesdays at 8:15 p.m., beginning October 3rd. Arts Building. Fee $15.00.

A survey of modern German literature since 1920. The novel: Franz Kafka, Thomas Mann, Robert Musil, Hermann Broch. Poetry: Gottfried Benn. The theatre: Bertolt Brecht. Since 1945: Max Frisch, Friedrich Dürrenmatt, Heinrich Böll. *Texts:* Walther Killy, ed., *Zeichen der Zeit. Ein deutsches Lesebuch, No. 4* (Fischer-Bücherei, 1958). Thomas Mann, *Der Tod in Venedig* (Fischer-Bücherei, 1954). *Recommended reading:* any works by the authors mentioned above.

A20. LITERARY NATURALISM (in English). Dr. A. Arnold. 10 lectures of 1½ hours, Thursdays at 8:15 p.m., beginning January 25th.

Literary theories from Emile Zola to James T. Farrell. The theatre: Paris, Berlin, Munich, Vienna. The novel: from Zola to the present day. A study of typical themes. Surveys of naturalist literature in Scandinavia, France, Germany, Russia, England, and America. Verism in Italy. Principal authors treated: Ibsen, Strindberg, Tolstoy, Zola, Hauptmann, Bennett, Verga, Dreiser, Farrell. *Recommended reading:* Henrik Ibsen, *Ghosts; A Doll's House.* Emile Zola, *L'Assommoir* or another novel. Gerhart Hauptmann, *Die Weber* (The Weavers). Arnold Bennett, *Anna of the Five Towns.* Giovanni Verga, *I Malavoglia* (House by the Medlar Tree). Theodore Dreiser, *Sister Carrie.* James T. Farrell, *Studs Lonigan* (trilogy).

LAW FOR THE LAYMAN. These courses are intended to cover in a very general and non-technical manner various legal problems which the ordinary citizen is apt to meet. The lecturer will endeavour to point out the problems and give certain suggestions as to what they really mean and how they should be dealt with.

A21. LAW FOR THE LAYMAN I. Mr. Alexander McT. Stalker. 10 lectures of 1½ hours, Tuesdays at 8:15 p.m., beginning October 3rd. Arts Building. Fee $15.00.

This course will deal briefly with the system of law obtaining in the Province of Quebec; the different courts in the Province; what is involved in a lawsuit; the functions of the lawyer and his relationship to his client; ways of conducting business (partnership, corporations, etc.) and their advantages and disadvantages; registration of businesses; agency; some brief comments on taxation and bankruptcy; elements of obligations and contracts and some comments on negligence and its results.

A22. LAW FOR THE LAYMAN II. Mr. Alexander McT. Stalker. 10 lectures of 1½ hours, Tuesdays at 8:15 p.m., beginning January 23rd. Arts Building. Fee $15.00.

This course will deal particularly with the family, its status and members; marriage and divorce; property in the family; married women in the Province of Quebec; life insurance; gifts; estates and wills; succession duties; buying Real Estate, suggestions to follow and things to watch for.

CURRENT EVENTS. Mr. Stefan Lamed. Fee $15.00 per term of 10 lectures of 1½ hours. McConnell Engineering Building.

In these courses each lecture will be devoted to a problem of current public importance, and an attempt will be made to set contemporary events in their proper historical context and perspective. Opportunity will be provided for class discussion at each lecture.

A23. First term, Wednesdays at 8:15 p.m., beginning October 4th.

A24. Second term, Wednesdays at 8:15 p.m., beginning January 24th.

A25. THE WEST IN RUSSIA. Professor M. Mladenovic, Department of History. 10 lectures of 1½ hours, Thursdays at 8 p.m., beginning October 5th. Arts Building. Fee $15.00.

Syllabus: On the margin of the West. Before Christianization. Byzantium and the western traders. The Mongols, Baltic Germans, and Swedes during the rise of Central Russia. Italian architects build the Kremlin for a Byzantine Princess. British rediscovery of Russia and first factories. Ivan Grozny offers marriage to the English Queen. Scots in the service of Muscovy. Peter the Great—*homo mechanicus*. De-Germanization of Russia, and the French influence. Shakespeare moves eastward. Westernizers and Slavophils. Marx and western technology—founders of Soviet power.

A27. THE STUDY OF MAN I (Introduction to General Anthropology). Professor Toshio Yatsushiro, Department of Sociology and Anthropology. 10 lectures of 2 hours, Wednesdays at 8:15 p.m., beginning October 4th. McConnell Engineering Building. Fee $20.00.

Syllabus: Human origins, types, and evolution; the spread of modern races; the prehistoric development of culture; the nature of society, culture, and language; a brief survey of different primitive cultures of the Old and New Worlds. *Texts:* William Howells, *Back of History: The Story of Our Own Origins* (Doubleday, 1954); Ashley Montagu, *Man: His First Million Years* (Mentor).

A28. THE STUDY OF MAN II (Cultural Anthropology). Professor Toshio Yatsushiro. 10 lectures of 2 hours, Wednesdays at 8:15 p.m., beginning January 24th. McConnell Engineering Building. Fee $20.00.

Syllabus: Examination and comparison of different primitive cultures distributed throughout the world (North and South America, Africa, Middle East, Asia, Melanesia, Polynesia, and Australia), in terms of their family, educational, economic, religious, political, and stratificational systems, their technology, and their value systems. *Texts:* Geo. P. Murdock, *Our Primitive Contemporaries* (Macmillan, 1934); Ruth Benedict, *Patterns of Culture* (Mentor).

A29. PRIMITIVE RELIGION. Professor Toshio Yatsushiro. 10 lectures of 2 hours, Mondays at 8:15 p.m., beginning October 2nd. McConnell Engineering Building. Fee $20.00.

Syllabus: The study of religious beliefs and practices in primitive and non-Western cultures, with a view towards (a) identifying the elements of religion that are universal and those that are distinctive to certain societies, and (b) indicating the relationship of religion to familistic, economic, political, and other aspects of cultural life. Myth, ritual, mana, taboo, totemism, magic, witchcraft, divination, shamanism, ancestor worship, animism and animatism, and other related topics will be discussed in different cultural contexts. *Text:* W. A. Lessa and E. Z Vogt, *Reader in Comparative Religion: an Anthropological Approach.* (Row, Peterson & Co.)

INTRODUCTION TO SOCIOLOGY. Mrs. Agnes M. Ferguson, Department of Sociology and Anthropology. Two series of ten 1½-hour lectures. Physical Sciences Centre, 3450 University Street. Fee $15.00 each series.

A31. Mondays at 8:15 p.m., beginning October 2nd.

Syllabus: The story of Sociology; man and his environment; the meaning and content of culture; social groups; population distribution; the community; class differences; personality development.

A32. Mondays at 8:15 p.m., beginning January 22nd.

Syllabus: Society and its institutions: The family, its organization and problems in modern society; the sociology of education; the division of labour; industry and the economic order; collective behaviour; public opinion; the political order; the sociology of religion; the law, crime and punishment.

Text for both series: Kimball Young and Raymond W. Mack, *Sociology and Social Life* (American Book Co.; distributed in Canada by W. J. Gage & Co., Toronto).

A40. INTRODUCTION TO PSYCHOLOGY. Dr. Patricia M. Rowe, Department of Psychology. 20 lectures of 1½ hours, Mondays at 6 p.m., beginning October 2nd. Arts Building. Fee $30.00.

This course deals with human behaviour and how psychology tries to explain it; the relation of psychology to social problems, education and medicine; perception, learning, memory, thought, motivation and emotion; intelligence and its measurement; personality and temperament. *Text:* E. R. Hilgard, *Introduction to Psychology*, 2nd ed. (Harcourt Brace; in Canada, W. J. Gage & Co., Toronto.)

A41. INTRODUCTION TO PSYCHOLOGY. Dr. Patricia M. Rowe. Identical with the above. Time: Wednesdays at 8:15 p.m., beginning October 4th.

Applicants must indicate clearly, when registering, the class they wish to take.

A42. UNDERSTANDING OURSELVES. Dr. J. L. Lapointe and Staff, Department of Psychiatry. 10 lectures of 2 hours, Wednesdays at 8 p.m., beginning October 4th. Allan Memorial Institute of the Royal Victoria Hospital, 1025 Pine Avenue West. Fee $20.00. Class limited.

In course A42 the class will be divided into groups of 20 or less, with an individual instructor. Consideration will be given to human problems, and interpretation and methods of handling them will be offered, emphasis being placed on the application of psychodynamics and group dynamics to the problems of everyday living. Particular attention will be paid to learning through participation and experience in the group setting. The subject matter of this course will also be valuable to personnel supervisors and to those responsible for group and recreational programs.

A43. PSYCHOLOGICAL PROBLEMS IN ADJUSTMENT. Dr. Henry B. Durost, Department of Psychiatry. 10 lectures of 2 hours, Wednesdays at 8 p.m., beginning January 24th. Allan Memorial Institute of the Royal Victoria Hospital, 1025 Pine Avenue West. Fee $20.00.

This course will approach psychological problems from a theoretical point of view with emphasis placed on the personality as it develops through growth and socialization. It will begin with personality theory and social and cultural processes. This will be integrated with a more detailed study of the organism from before birth through old age, using the personality theory and our understanding of social and cultural processes as a framework.

A44. **THE ART OF MAKING FRIENDS.** Miss Shirley Schiff, Allan Memorial Institute. 10 lectures of 1½ hours, Tuesdays at 8 p.m., beginning January 23rd. Allan Memorial Institute of the Royal Victoria Hospital, 1025 Pine Avenue West. Fee $15.00. Class limited.

This course is offered to people of all ages who would like to broaden their social contacts and interests, and to get fuller enjoyment out of life. Having friends and satisfying leisure-time pursuits are just as important for emotional health as good nutrition is for physical health. This course will include lectures and group discussions on ways and means of getting satisfaction from friendships, and gaining new friends and new interests. An outline of current trends and difficulties in modern city living, and suggestions for creative evening and weekend activities will be given. To ensure that all taking this course will have the opportunity to express their ideas and discuss their individual needs, classes will be limited to 25, each with an individual instructor. *Text:* D. Ewen Cameron, *Life Is for Living* (Macmillan).

A45. **THE SENIOR CITIZEN IN OUR SOCIETY.** Mrs. Lotte Marcus, Psychiatric Social Worker, Allan Memorial Institute. 10 lectures of 1½ hours, Thursdays at 8 p.m., beginning January 25th. Physical Sciences Centre, 3450 University Street. Fee $15.00. Class limited to 25.

This course is designed for older people, their families, friends and all those interested in one of the most vital issues of our time. The lectures will illustrate the position and status given to elderly persons throughout the ages and in different cultures; they will consider the senior citizen at work, in retirement and in his leisure hours; will describe his special needs in homes, hospitals, institutions, discuss some mental health aspects of aging and will highlight some of the satisfactions of the later years. Attention will be given to the present Montreal scene with a focus on possible future developments in this field. In the discussion, students will be encouraged to present their own points of view, their ideas and experiences.

A46. **LOOKING AHEAD TO MARRIAGE AND FAMILY LIFE.** Professor Dorothy Freeman, School of Social Work. 10 lectures of 2 hours, Thursdays at 7:30 p.m., beginning October 5th. School of Social Work, 3600 University Street. Fee $20.00. Class limited to 18.

This course is designed to increase understanding of the basic relationship between men and women, and to clarify the attitudes of young people contemplating marriage. Social, emotional and vocational readiness for marriage will be considered. Emphasis will be given to the role expectations of the marital partners in our rapidly changing modern society; relationships to parents and in-laws, and the implications of parenthood will be discussed. Instruction will be through lectures, films and group discussion. Three sessions will be devoted to discussion with specialists from the fields of medicine, law and the ministry.

A50. THE PHILOSOPHY OF PLATO. Mr. A. M. D. Gombay, Department of Philosophy. 10 lectures of 1½ hours, Wednesdays at 8 p.m., beginning October 4th. Arts Building. Fee $15.00.

A discussion of some of the important issues in Platonic philosophy.

A57. THE RELIGIONS OF INDIA. Professor C. J. Adams, Department of Comparative Religion. 10 lectures of 1½ hours, Wednesdays at 8 p.m., beginning October 4th. Arts Building. Fee $15.00.

This survey of the historical development of religion in India from the time of the Indus Valley civilization to the present will deal with the religion of the Vedas, and of the Brahmanas and Upanishads; the four aims of life according to the Hindus; caste and Hindu ethics; theistic Hinduism (Vaishnaivism, Saivism and Shaktism with particular emphasis on the Bhagavad Gita); the mediaeval reformation of Hinduism (Shankara and Ramanuja); and modern trends in Hinduism (Sri Ramakrishna, Tagore and Gandhi). Two major offshoots of the Hindu tradition, the religion of the Jains and that of the Sikhs, will also be discussed. *Text:* Huston Smith, *The Religions of Man* (Mentor).

A58. THE DEAD SEA SCROLLS. Mr. W. G. Oxtoby, Faculty of Divinity. 10 lectures of 1½ hours, Tuesdays at 8:15 p.m., beginning October 3rd. Physical Sciences Centre, 3450 University Street. Fee $15.00.

An introductory survey of the ancient manuscript literature found in Palestine since 1947: the discovery and study of the Scrolls, their content, and their religious significance. *Texts:* Theodor H. Gaster, *The Dead Sea Scriptures in English Translation* (Doubleday Anchor Book A92); Josef T. Milik, *Ten Years of Discovery in the Wilderness of Judaea* (SCM Press).

A59. BASIC CHRISTIAN TEACHINGS. Professor J. C. McLelland, Faculty of Divinity. 10 lectures of 1½ hours, Wednesdays at 8 p.m., beginning October 4th. Divinity Hall, 3520 University Street. Fee $15.00.

An objective account of the major ideas of Christianity, with reference to their historical development and contemporary significance, and their relation to the concepts of modern philosophy and science.

A61. FOOD FACTS AND FADS. Professor Helen L. Devereaux, Mrs. Marion Zarkadas, and Miss Frances Tucker, School of Household Science, Macdonald College. 10 lectures of 1½ hours, Wednesdays at 8 p.m., beginning October 4th. McConnell Engineering Building. Fee $15.00.

What foods are good for health? Are quick reducing diets dangerous? Do fats cause atherosclerosis? How can I shop wisely? These and many other questions about foods and nutrition will be answered in this course.

A63. HOME GARDEN LANDSCAPING. Mr. Juri Roht, Department of Horticulture, Macdonald College. 10 lectures of 1½ hours, Thursdays at 8 p.m., beginning October 5th. McConnell Engineering Building. Fee $15.00.

Landscape design, improvements of soil, fertilizing, plant material, lawns, care of trees and shrubs, etc.

A64. THE FLOWER GARDEN. Mr. Juri Roht. 10 lectures of 1½ hours, Thursdays at 8 p.m., beginning January 25th. Fee $15.00.

Design of flowerbeds, perennial plants, annual flowers, plantings and care of flowerbeds; propagation of plants both out of doors and in the house.

A66. PRINCIPLES OF LIVESTOCK PRODUCTION. Dr. R. A. Costain, Department of Animal Science, Macdonald College. 10 lectures of 1½ hours, Tuesdays at 8 p.m., beginning October 3rd. Physical Sciences Centre, 3450 University Street. Fee $15.00.

A review of the role that the livestock industry plays in Canadian agriculture, with special reference to the production of meat, milk, wool and eggs. An account of the main classes and breeds of farm livestock, and their growth, development and reproduction. The influence of management practices, nutrition and breeding upon the productive efficiency of farm animals.

SECTION B

TECHNICAL COURSES

ENGINEERING COURSES—UNDERGRADUATE LEVEL

B1. ALGEBRA AND ANALYTICAL GEOMETRY. Professor I. H. Shtern, Department of Mathematics. 20 lectures of 2 hours, Mondays at 6 p.m., beginning October 2nd. McConnell Engineering Building. Fee $40.00.

This course is intended for students preparing to write the C.P.E.Q. "Fundamentals of Engineering" examinations, although it is open to others interested.

Syllabus: Algebra—Indices, logarithms, quadratic equations, complex numbers, interest and annuities, graphs, series, permutations and combinations, binomial theorem, complex numbers, vectors, exponential series, partial fractions. *Analytical Geometry*—Rectangular and Polar co-ordinates, the straight line, circle, parabola and ellipse. *Text:* Elliott and Miles, *College Mathematics: A First Course* (Prentice-Hall).

B2. CALCULUS. Professor Michael Herschorn, Department of Mathematics. 20 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 3rd. McConnell Engineering Building. Fee $40.00. *Prerequisite:* Course B1, or equivalent.

Syllabus: Limits, functional notation, differentiation of elementary functions, derivatives of sums, products and quotients, maxima and minima, differentiation of trigonometric, exponential and logarithmic functions, geometric applications, differentials. Integration of standard functions, definite integrals, areas and volumes, geometrical and physical applications. *Text:* Middlemiss, *Differential and Integral Calculus* (McGraw-Hill).

B3. MECHANICS II. Mr. S. I. Ahmed, Department of Civil Engineering. 20 lectures of 2 hours, Thursdays at 8 p.m., beginning October 5th. McConnell Engineering Building. Fee $40.00. *Prerequisite:* Mechanics I or equivalent.

Syllabus: Kinematics, dynamics and statics of systems of particles, and of rigid bodies; variable rectilinear and curvilinear motion; simple harmonic motion, translation and rotation of rigid bodies; compound pendulums; angular momentum and impact. *Texts:* Higdon and Stiles, *Engineering Mechanics* (Prentice-Hall); McGill University, *Mechanics Problems for Course 340.*

B4. HYDRAULICS. Professor V. W. G. Wilson, Department of Civil Engineering. 20 lectures of 2 hours, Mondays at 8 p.m., beginning October 2nd. Macdonald Engineering Building. Fee $40.00. *Prerequisites:* Calculus and Mechanics I.

Syllabus: Properties of fluids; hydrostatics; measurement of flow with orifices, weirs and Venturi meters; Bernoulli's theorem; laminar and turbulent flow; flow in pipes and open channels; divided flow. *Text:* Ranald V. Giles, *Hydraulics and Fluid Mechanics* (Schaum).

B5. FUNDAMENTALS OF HEATING, VENTILATING AND AIR CONDITIONING. Professor A. R. McKay, Department of Mechanical Engineering. 20 lectures of 2 hours, Wednesdays at 8 p.m., beginning October 4th. Macdonald Engineering Building. Fee $40.00. *Prerequisite:* Engineering Fundamentals or equivalent.

Syllabus: Thermodynamic principles and properties of various media; air-vapour mixtures and the psychrometric chart; factors affecting human comfort; heat transfer and insulation, and heat losses from buildings; radiators, convectors, baseboard heating, panel heating and unit heaters; distribution systems—air, steam and hot water—fans, ducts, diffusers, piping; furnaces, boilers, fuels and combustion processes; mechanical refrigeration; air conditioning—heating, cooling, humidification and purification processes. *Text:* Burgess H. Jennings, *Heating and Air Conditioning* (International Textbooks).

B6. THEORY AND PRACTICE OF SURVEYING. Professor Louis J. Arcand, Department of Civil Engineering. 25 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 4th. Macdonald Engineering Building. Fee $50.00. *Prerequisite:* High School Matriculation.

The lectures deal with the operation of the various types of Engineer's Levels, the Universal Transit and the art of measurement, for surveying practice in the field and in the shop. Emphasis will be placed on the use of the various units of measurement employed in the Province of Quebec, the adjustments of the instruments, the use of coordinates for area determination and computation of volumes, simple circular and easement curves, the theory and use of the polar planimeter and partition of land. A certain number of periods will be set aside for the students' use of survey instruments. Instruments, equipment and display panels will be available for demonstration. *Texts:* Davis and Foote, *Surveying* (McGraw-Hill); Breed and Bone, *Surveying*, 2nd ed. (Wiley).

B7. ENGINEERING DRAFTING LAYOUT PROBLEMS. Professor Creighton Glynn Department of Mechanical Engineering. 10 periods of 2 hours, Tuesdays at 8 p.m., beginning October 3rd. Macdonald Engineering Building. Fee $20.00. *Prerequisite:* Elementary mechanical drawing course, with some detailing experience.

This course will include applications of descriptive geometry principles in engineering design, and calculations required in layout work for fits of parts and for size of members under direct load conditions. Students will be given homework assignments.

B8. INTRODUCTION TO INDUSTRIAL ENGINEERING. Mr. B. O. Winter and associates, Canadian Industries Limited. 20 lectures of 2 hours, Mondays at 6 p.m., beginning October 2nd. Macdonald Engineering Building. Fee $40.00. *Prerequisite:* High School Matriculation.

Syllabus: The industrial engineer's problem; method study—five-step plan, flow process chart, man-machine chart, motion economy principles; clerical method study; job evaluation; work measurement—techniques, time study, standard time, work sampling; maintenance control—procedures, planning and scheduling, cost control and cost analysis; statistical quality control—variations and frequency distribution, control charts, statistical acceptance sampling.

B9. ELECTRICAL ENGINEERING. Mr. C. W. Bradley, Department of Electrical Engineering. 20 lectures of 2 hours, Mondays at 8 p.m., beginning October 2nd. McConnell Engineering Building. Fee $40.00. *Prerequisite:* High School Matriculation.

This basic course in electrical engineering is designed to fulfill the requirements of the C.P.E.Q. examination syllabus, but is open to others interested. Topics covered, to the level of the C.P.E.Q. syllabus, will include:

Theory and solution of d.c. circuits. Theory and solution of a.c. (single and polyphase) circuits. Theory and characteristics of electric machinery: d.c. shunt, compound, and series motors and generators; a.c. polyphase and singlephase induction motors, synchronous motors, generators. Transformers, theory and analysis. Polyphase networks. Theory and application of vacuum and gas tubes, diodes, triodes, tetrodes, pentodes. Rectifier and amplifier circuit theory and analysis.

B10. CIRCUIT ANALYSIS. Professor R. P. Comsa, Department of Electrical Engineering. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 3rd. McConnell Engineering Building. Fee $40.00. *Prerequisites:* High School Matriculation; Calculus.

Although this course is intended for students preparing to write the C.P.E.Q. "Electric Circuits" examination, it is open to others interested.

Syllabus: The fundamentals of the analysis of the response of linear circuits to steady, time varying periodic and non-periodic currents and voltages; Kirchoff's Laws; solution of network equations; matrices; transients; the superposition theorem; Thevenin's theorem; Norton's theorem; the reciprocity theorem; maximum-power-transfer theorem; the stardelta transformation; application to networks; tuned circuits; the loosely-coupled transformer; balanced and unbalanced three-phase circuits; power factor and its correction; long transmission lines; Fourier analysis.

B11. ELECTRICAL MEASUREMENTS IN THEORY AND PRACTICE. Mr. B. A. Howarth, Department of Electrical Engineering. 20 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 4th. McConnell Engineering Building. Fee $40.00. *Prerequisites:* Circuit Analysis; Elementary Calculus.

This introductory course is designed to fulfill the requirements of the C.P.E.Q. examination syllabus (Section A), but is open to others interested. Topics considered will include:

Electrical units; the principles and use of potentiometers; standard cells; wheatstone and Kelvin bridges; elementary a.c. bridge theory; the measurement of self and mutual inductance; the direct capacitance between two conductors and its measurement, allowing for presence of other conductors, the measurement of magnetic properties; the principles of d.c. and a.c. ammeters and voltmeters; wattmeters; the induction watt-hour meter; calibration of meters; the measurement of power, reactive power and power factor in three-phase three-wire and four-wire circuits; instrument transformers, their errors and uses. *Text:* M. B. Stout, *Basic Electrical Measurements* (Prentice-Hall).

B12. NOISE AND VIBRATION CONTROL. Mr. C. W. Bradley, Department of Electrical Engineering. 20 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 4th. McConnell Engineering Building. Fee $40.00. *Prerequisites:* High School Matriculation; Calculus.

The control of noise and vibration in commercial, industrial, and residential locations requires a knowledge of acoustics and special measuring techniques. This course will present methods of analysis and reduction of noise and vibration and will examine materials and structures used for this purpose.

Topics: Basic terminology and concepts; measurement of noise; psychological aspects; criteria for control; room acoustic theory; noise reduction in rooms; transmission through structures; characteristics of noise sources; materials and structures for noise reduction; mufflers and vibration isolators; machinery and ventilation-system quieting. *Text:* Beranek, *Noise Reduction* (McGraw-Hill).

B13. THE METALLURGY OF IRON AND STEEL. Professor W. M. Williams, Department of Metallurgical Engineering. 10 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 4th. Physical Sciences Centre, 3450 University Street. Fee $20.00. *Prerequisite:* High School Matriculation, or equivalent.

These lectures cover the microstructure and properties of plain carbon steels and their modification by heat treatment. Some reference will be made to such subjects as surface hardening and the effect of alloying elements. A short discussion of the microstructure and properties of cast irons will also be included.

Syllabus: The structure of plain carbon steels. The iron-carbon diagram. The microstructure of steels. The heat treatment of steels and control of mechanical properties. Hardenability and the effect of alloying elements. Surface hardening. The microstructure and properties of cast irons. *Text:* N.B.S. Circular 495, *Heat Treatment of Iron and Steel.* (Superintendent of Documents, Washington, D.C.)

ENGINEERING COURSES—GRADUATE LEVEL

For graduates in Engineering or Physics; not open to non-graduates.

Graduate engineers engaged in research, design and development work in Electrical and Mechanical Engineering and in Aeronautics require more advanced training than can be included in undergraduate courses. The courses listed below have been designed to provide this advanced training. In addition, they offer the opportunity to properly qualified students, while gainfully employed, to complete the course requirements for a Master's degree in Electrical Engineering or Electrical Communications; the Graduate Diploma in Electrical Engineering, Electrical Communications or Mechanical Engineering.

REQUIREMENTS FOR ADVANCED DEGREES AND DIPLOMAS

1. M.Eng. in Electrical Engineering.

(a) *Course Requirement:* Courses are selected by the Department to complement and implement the candidate's undergraduate training. Normally, four full courses (40 hours each) with an average mark of 75% and a minimum in any one course of 65% are required. No supplementals are allowed.

(b) *Registration:* Evening students who have a good second class Honours degree and wish to proceed to the Master's degree are permitted to register with the Faculty of Graduate Studies and Research only after they have completed their courses.

(c) *Thesis Requirement:* Candidates accepted by the Graduate Faculty as proceeding to a Master's degree are required to present a thesis based on research work carried out in the Electrical Engineering Department.

(d) *Fees:* Fees paid by an evening-course student for courses which he completes successfully will be credited toward the general graduate fee should he subsequently be accepted as a graduate student in the Department of Electrical Engineering.

2. M.Sc. in Electrical Communications.

To enable graduates in Physics to complete the course requirement for a Master's degree through evening study, the M.Sc. in Electrical Communications is being offered by the Department of Electrical Engineering. The requirements regarding courses, registration, thesis and fees are the same as for the M.Eng. degree detailed above.

3. Graduate Diploma in Electrical Engineering and Electrical Communications.

A graduate diploma is available in Electrical Engineering and Electrical Communications. The registration requirements are identical with those for the Master's degree. Candidates are required to complete five courses with an average mark of 75% and a minimum in any one course of 65%. Only one supplemental examination with a minimum mark of 80% is permitted in the five courses. Courses are to be selected in consultation with the Department. There is no thesis requirement.

4. Graduate Diploma in Mechanical Engineering.

Requirements regarding courses and registration are the same as for the graduate diploma in Electrical Engineering and Electrical Communications.

Electrical Engineering

B30. FEEDBACK CONTROL SYSTEMS. Professor G. L. d'Ombrain, Department of Electrical Engineering. 20 lectures of 2 hours, Thursdays at 6 p.m., beginning October 5th. McConnell Engineering Building. Fee $40.00.

Syllabus: Open and closed loop system generalization. Block and flow diagram representation. Representation of mechanical, thermal, pressure, level and electrical systems by linear differential equations. Behaviour of first-order and cascaded first-order systems. Behaviour of second-order system. Determination of stability of closed loop systems using the methods of Nyquist, Bode and root locus techniques. Transient behaviour of closed loop system using Laplace Transform methods. Non-linear systems investigated by describing function and phase-plane methods. Review of methods of instrumentation for position, velocity, acceleration, temperature pressure level flow, velocity and pH. *Text:* Thaler and Brown, *Analysis and Design of Feedback Control Systems*, 2nd ed. (McGraw-Hill).

B31. NETWORK SYNTHESIS. Professor T. J. F. Pavlasek, Department of Electrical Engineering. 20 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 3rd. McConnell Engineering Building. Fee $40.00.

Only students who have had a course in modern Network Analysis, such as that given in the present Electrical Engineering undergraduate curriculum, should attempt this course.

Syllabus: Review of linear network analysis; network functions and their properties; synthesis of LC, RC, RL one-ports; realization of RLC one-ports; the Approximation Problem and methods of solution; various methods of synthesizing two-port networks; Classical Image parameter networks; computational techniques. *Text:* M. E. Van Valkenburg, *Modern Network Synthesis* (Wiley, 1960).

B32. SOLID STATE PHYSICS. Professor E. J. Stansbury, Department of Physics. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 3rd. Physical Sciences Centre, 3450 University Street. Fee $40.00.

In this course the physics necessary for an understanding of the electrical and magnetic properties of various solids will be discussed. Although the major effort of the lectures will be to establish and elaborate on the physical principles involved, some attention will be given to characteristics of solids which are of technical interest.

Topics covered will include: Classification of crystal structures; ionic crystals; dielectric properties; lattice vibrations and thermal properties; free electron theory of metals; electronic structure and band theory; electrical conduction; photoconductivity; properties of semiconductors; paramagnetism and diamagnetism; ferromagnetism, antiferromagnetism, and ferrimagnetism. *Text:* C. Kittel, *Introduction to Solid State Physics*, 2nd edition, (Wiley).

B33. ELECTROMAGNETIC WAVE PROPAGATION. Dr. M. P. Bachynski, RCA Victor Research Laboratories. 20 lectures of 2 hours, Mondays at 8 p.m.. beginning October 2nd. McConnell Engineering Building. Fee $40.00,

A course designed to present in unified form the various aspects of electromagnetic wave propagation in unbounded media. Fundamental theory is stressed and application to engineering situations indicated.

Subject matter includes: the Maxwell field equations, the propagation equations, propagation in ionized media (with application to plasmas and ferrites), diffraction and scattering, propagation over a homogeneous smooth surface, effect of atmosphere on e-m propagation, propagation over rough surfaces, diffraction by natural obstacles, tropospheric scatter propagation.

B34. APPLIED MATHEMATICS I. Professor P. R. Wallace, Department of Mathematics. 20 lectures of 2 hours, Mondays at 6 p.m., beginning October 2nd. McConnell Engineering Building. Fee $40.00.

This course deals with the most common advanced mathematical methods in Electrical Engineering. It will treat special functions, orthogonal functions and polynomials; transform theory, with special emphasis on Fourier Transforms and their applications; matrix theory; elements of probability and introduction to stochastic processes.

Students enrolled will be assumed to have some knowledge of vector analysis, differential equations including solution in series, Fourier series theory, elementary Laplace Transform theory, and elements of the theory of contour integration. Regular problem assignments will be given; satisfactory problem work will constitute an essential requirement for credit in the course. *Text:* K. S. Miller, *Engineering Mathematics* (Rinehart).

B35. OPERATIONAL CALCULUS AND MATRIX ALGEBRA. Professor B. D. Aggarwala, Department of Mathematics. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 3rd. McConnell Engineering Building. Fee $40.00. *Prerequisite:* Elementary Calculus.

This course provides an introduction to operational methods in mathematics and topics in matrix algebra. Subjects covered will include the Fourier-Mellin Theorem; calculation of direct transforms; calculation of inverse transforms; impulsive functions; Heaviside's rules; transforms of periodic functions; applications of operational calculus to the solution of differential equations (ordinary and partial) which arise in dynamics, heat conduction, electromagnetic theory, linear networks, transient phenomena, etc. The fundamental rules of matrix algebra will be discussed and applications made to linear transformations, quadratic forms, eigenvalues, illustrated by problems from applied mathematics. *Text:* Churchill, *Operational Mathematics* (McGraw-Hill).

B36. SCIENTIFIC DIGITAL COMPUTING. Professor W. D. Thorpe, Supervisor of the McGill Computing Centre. 20 lectures of 2 hours, at 6 p.m., and 20 laboratory periods of 2 hours at 8 p.m., on Mondays, beginning October 2nd. McConnell Engineering Building. Fee $100.00. Class limited.

This course is intended as an introduction to the application of electronic digital computers in the fields of engineering, science and allied subjects.

Syllabus: Automatic Digital Computers: functions and components, number representation, memory, input-output, arithmetic and control units, coding and programming with reference to the IBM 650 system. Emphasis will be placed on the use of automatic programming systems which are applicable to many digital computers. *Numerical Analysis:* description without rigorous formulation of commonly used methods including finite differences, interpolation, differentiation and integration,

ordinary and partial differential equations, inversion of matrices and systems of linear equations, non-linear systems, least squares principle, smoothing of data, Fourier series, harmonic analysis, regression and linear programming.

The class will be limited to 30 students to permit individual assistance. Students are encouraged to program some major application in their own field, and, to obtain maximum benefit from the course, should be prepared to undertake homework assignments.

B37. NUMERICAL ANALYSIS AND COMPUTER PROGRAMMING. Professor Glen G. Bach, Director, McGill Computing Centre. 25 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 4th. McConnell Engineering Building. Fee $50.00.

This is an advanced course in numerical analysis with the view to computer programming and should not be attempted by anyone who has not had a reasonable acquaintance with matrix algebra and differential equations, both partial and ordinary. Finite differences, quadrature, differential equations, matrix problems, monte carlo techniques, variance and regression analysis and linear programming will be discussed. Whenever possible, the flow-charting or necessary logic for the processing on a computer will be given. No practical use of our IBM 650, however, will be made during the course. *Text:* A. Ralston and H. S. Wilf, *Mathematical Methods for Digital Computers* (Wiley); *Supplementary Text:* F. B. Hildebrand, *Introduction to Numerical Analysis* (McGraw-Hill).

B38. ANALYSIS OF NONLINEAR SYSTEMS. Mr. P. Silvester, Department of Electrical Engineering. 10 lectures of 2 hours, Mondays at 6 p.m., beginning October 2nd. McConnell Engineering Building. Fee $20.00.

Topics will include numerical, phase plane, and piecewise linear techniques; analysis of singularities; perturbation and reversion; describing functions; system stability. Applications will be drawn from negative-resistance and saturating oscillators, electromechanical and mechanical systems, saturable core circuits, and other fields. *Text:* Cunningham, *Nonlinear Analysis* (McGraw-Hill).

B39. MATRIX METHODS OF ACTIVE LINEAR CIRCUIT ANALYSIS. Mr. Eric L. Adler, Department of Electrical Engineering. 10 lectures of 2 hours, Tuesdays at 6 p.m., beginning January 23rd. McConnell Engineering Building. Fee $20.00.

This course is suited to the graduate engineer interested in a generalized and practical approach to active circuits. Particular stress will be laid on transistor circuits although examples and applications will include vacuum tubes. It is assumed that the student has an elementary knowledge of Determinants. *Syllabus:* Introduction to matrix algebra, matrix algebra

of the general quadripole, models from matrices and matrices from models, the transistor matrix, interconnection of quadripoles, validity tests, terminated quadripoles and their properties, applications to feedback amplifiers and oscillators.

B40. POWER AMPLIFIERS FOR CONTROL SYSTEMS. Professor T. H. Barton, Department of Electrical Engineering. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 3rd. McConnell Engineering Building. Fee $40.00.

The static and dynamic characteristics of magnetic amplifiers, controlled rectifiers and rotating amplifiers will be discussed.

B41. POWER SYSTEM ANALYSIS AND STABILITY. Professor W. H. Schippel, Department of Electrical Engineering. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 3rd. Macdonald Engineering Building. Fee $40.00.

Syllabus: Symmetrical components—review of general theory; current calculations for faults; network simplification and solution; derivation of system currents and voltages. Constant of synchronous machines, transformers and lines; time constants; determination of constants by test. Steady-state power transfer between two machines; effect of magnetic saturation, salient poles; variation with phase angle, and effect of loads and short-circuits. Transient stability—power-angle diagrams; change of kinetic energy of machines; step-by-step calculations; use of curves for stability solutions; use of network analyzer; effect of delay in fault clearance; effect of time constants on stability. *Text:* Wagner and Evans, *Symmetrical Components* (McGraw-Hill).

MECHANICAL ENGINEERING

B50. APPLIED MATHEMATICS II. Professor T. Morris, Department of Mathematics. 20 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 4th. Physical Sciences Centre, 3450 University Street. Fee $40.00.

The course will begin with a review of differential equations and will go on to develop those mathematical techniques essential for the treatment of problems in vibration, elasticity, heat flow, etc. of particular interest to mechanical engineers. *Text:* L. A. Pipes, *Applied Mathematics for Engineers and Physicists*, 2nd edition (McGraw-Hill).

B51. APPLICATIONS OF ADVANCED MATHEMATICS TO ENGINEERING DESIGN. Professor S. S. Hyder, Department of Mechanical Engineering. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 3rd. Macdonald Engineering Building. Fee $40.00.

The purpose of this course is to enable the graduate engineer to analyze and solve complex engineering problems by the application of advanced

mathematical technique. It will also permit him to study and appreciate the more advanced literature in technical and research journals. Specific applications of Fourier Series and transforms, vector and tensor analysis, partial differential equations and approximate methods, to problems in stress analysis, fluid dynamics, chemical diffusion, heat transfer and vibration will be considered, and numerical solutions will be sought. Some applications of probability and statistics, to Engineering, will be studied. Students are expected to take homework assignments and may be required to demonstrate their solutions in class. *Text:* Wylie, *Advanced Engineering Mathematics* (McGraw-Hill).

B52. PRODUCTION MANAGEMENT: CONTROL AND ADMINISTRATION. Mr. Richard Scott, Economic Research Corporation. 20 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 3rd. McConnell Engineering Building. Fee $40.00.

This course covers the essentials of Production Management including organization of functions, production economics, standard costs, production planning and control, plant and office automation, and plant administration, emphasizing the pressures under which the production engineer must work in an organization. A course paper will be required from each student relating the subject matter of the lectures to a selected production area approved by the lecturer. *Text:* Bethel, Atwater, Smith and Stackman, *Essentials of Industrial Management* (McGraw-Hill).

B53. AERODYNAMICS: VISCOUS FLOW AND BOUNDARY-LAYER THEORY. Professor B. G. Newman, Department of Mechanical Engineering. 20 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 4th. Macdonald Engineering Building. Fee $40.00.

Syllabus: Navier-Stokes equations; exact solutions for laminar incompressible flow; laminar boundary-layer theory, exact and approximate methods; transition; turbulent boundary-layer theory, laws of wall and wake, approximate methods; extension to compressible flows; practical considerations including boundary-layer control, aerodynamic heating, shock-wave boundary-layer interaction and methods of measurement.

The course will be supplemented by demonstration and experiment in the laboratory. *Texts:* Schlichting, *Boundary-Layer Theory* (Pergamon Press); Hunter Rouse, *Advanced Mechanics of Fluids* (Wiley); Townsend, *Turbulent Shear Flow* (C.U. Press).

B54. DYNAMICS OF HIGH SPEED FLIGHT. Professor Gerald V. Bull, Department of Mechanical Engineering. 15 lectures of 2 hours, Thursdays at 6 p.m., beginning October 5th. Macdonald Engineering Building. Fee $30.00.

The equations of rigid-body motion are developed for the general cast. The various simplifications for restricted freedom cases are treated along classical lines, and extended to the case of non-linear aerodynamic terms. Coupled motion is treated along lines of developing complexity proceeding from trigonal or greater symmetry to the mirror symmetry case. Illustrative problems constitute an integral part of the development. *Text:* B. Etkin, *Dynamics of Flight* (Wiley).

B60. ELEMENTS OF SOIL MECHANICS AND FOUNDATION ENGINEERING. Professors Raymond Yong and P. J. Harris, Department of Civil Engineering. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 3rd. Macdonald Engineering Building. Fee $40.00. *Prerequisite:* High School Matriculation.

Syllabus: Nature of soil and its relation to civil engineering structures, soil structure, identification and classification of soil, soil properties and characteristics, soil strength, bearing capacity, lateral pressures, slope stability, foundation design concepts, retaining walls, pile design, underpinning, caissons, cofferdams.

B61. ADVANCED SOIL MECHANICS AND FOUNDATIONS—SPECIAL TOPIC STUDY. Professor Raymond Yong. 10 lectures of 2 hours, Thursdays at 6 p.m., beginning October 5th. Macdonald Engineering Building. Fee $20.00. *Prerequisite:* University graduation.

Selected topics will include case studies of existing foundations of unique design, cofferdams, sheet piling, deep foundations, pile design, compensated footings, embankments, retaining structures, soil engineering concepts.

B70. INFRARED SPECTROSCOPY. Professor Alfred Taurins, Department of Chemistry. 25 lectures of 2 hours, Mondays at 8 p.m., beginning October 2nd. Physical Sciences Centre, 3450 University Street. Fee $50.00.

This course is intended for those with university physics and chemistry, but persons with High School physics and chemistry, *plus* experience, will also benefit.

Syllabus: Spectral regions and laws of light absorption. Origin of infrared and Raman spectra. Rotational and vibrational energy levels in molecules. Infrared spectrophotometers: construction and operation. Cells and sampling techniques. Systematic survey of characteristic group frequencies of organic and inorganic compounds. Infrared spectra-structure correlations. Interpretation of infrared spectra. Quantitative

infrared analysis. Differential analysis and analysis of mixtures. The application of infrared spectroscopy in industrial research and control laboratories. *Texts:* A. D. Cross, *Introduction to Practical Infra-Red Spectroscopy* (Butterworth Scientific Publications, 1960. London.) L. J. Bellamy, *The Infra-Red Spectra of Complex Molecules*, 2nd ed., (Methuen, 1958, London).

ENGLISH

B100. ENGLISH COMPOSITION AND BUSINESS WRITING. Mrs. Kathleen M. Vaughan. 25 lectures of 1½ hours, Tuesdays at 8 p.m., beginning October 3rd. Arts Building. Fee $38.00. *Prerequisite:* High School Matriculation. This course is strictly limited to those whose native tongue is English. Those who speak English fluently, but whose native tongue is not English, should register for *Course E139* (see page 3976).

This course is a study of the principles of effective English expression and their application in business letters, business reports, and other forms of communications and record. The course begins with 'refresher' lectures on grammar, sentence structure, punctuation, and paragraphing, and proceeds to a detailed consideration of the techniques used in writing utility, sales, credit and collection, claim and adjustment, and application letters. There is also a detailed consideration of the procedure to be followed in writing business reports and a description of the types of prose which contribute to the effectiveness of reports. Students are encouraged but not required to write assignments for individual criticism. *Texts:* Robert R. Aurner, *Effective Communication in Business* and *Effective Communication in Business Workbook* (South-Western Publishing Co.): John C. Hodges, *College Handbook*, 4th ed. (Harcourt, Brace), and *College Workbook*, Form 3.

TRANSLATION

Courses B111 to B115 constitute a three-year series leading to a Diploma in Translation. They involve one two-hour period a week, and are open to all qualified students. A *Certificate* is given at the end of each of the three years to those who are successful in the examinations. To gain the *Diploma*, first class standing must be obtained in translation from French to English and from English to French in the examinations at the end of the Second and the Third years.

Students who successfully completed any of these courses last session may register by mail for the next course in the series. Students who were unsuccessful in a course last session may register by mail to repeat the

course. A registration card may be obtained by writing or telephoning the Extension Office. Mailed registration cards, with cheque attached, should reach the Extension Office by September 30th.

ADMISSION OF NEW STUDENTS

(a) Students in possession of a degree (B.A., B.Sc., B.Com.) from a recognized college or university will be permitted to register for the First year on production of an *official* transcript of the degree. This may be mailed or brought to the Extension Office.

(b) *All other students* wishing to enter First year MUST write the entrance examination in the Arts Building, McGill University, at 7 p.m., on Tuesday, September 12th.

(c) All *new* students wishing to enter Second year MUST write the entrance examination on September 12th. Their standing in that examination will determine whether they can be admitted to Second year or should revert to First year.

(d) An examination fee of $1.00 must be paid at the door.

(e) Within ten days of the date of the entrance examination, new students will be notified in writing of their admission to First or Second year. Those admitted may then register by mail. Registration cards, with cheques attached, should reach the Extension Office by October 7th.

FEES

The student fee, payable in full at registration, is the same for each course and is $45.00. Members of the Montreal Translators' Society, on presentation of their 1961 membership cards, will be registered at a reduced fee of $40.00. All Translation Course students are urged to join the Montreal Translators' Society, whose office is 900 St. Joseph Boulevard East, Montreal 34. The yearly fee of the Society is $5.00 and its members enjoy special privileges. A cheque for $5.00 should be sent *directly to the Society.*

FIRST AND SECOND YEARS: COMMERCIAL TRANSLATION

The purpose of these courses is to assist students in acquiring or perfecting ease of style and propriety of vocabulary in translating commercial material—correspondence, reports, advertising matter, simple sales contracts and the like—from English into French and *vice versa.*

The fields of terminology covered are broadly those of trade, finance and business administration. These courses are designed to emphasize the fact that commercial translation requires both accuracy and elegance,

together with a proper understanding of the principles of correct drafting and composition. A course of reading is recommended to the students. It includes standard remedial manuals and works of reference on the use of language and the art of translation.

B111. ENGLISH-FRENCH AND FRENCH-ENGLISH COMMERCIAL TRANSLATION (1st year). Mr. C. W. Pressnell and Mr. Henri Lagacé. 20 lectures of 2 hours, Tuesdays at 8:00 p.m., beginning October 10th. Arts Building.

B112. ENGLISH-FRENCH AND FRENCH-ENGLISH COMMERCIAL TRANSLATION (1st year). Mr. Roy A. Field and Mr. F. Dufau-Labeyrie. 20 lectures of 2 hours, Wednesdays at 8:00 p.m., beginning October 11th. Arts Building.

B113. ENGLISH-FRENCH AND FRENCH-ENGLISH COMMERCIAL TRANSLATION (2nd year). Mr. Henri Lagacé and Mr. C. W. Pressnell. 20 lectures of 2 hours, Tuesdays at 8:00 p.m., beginning October 10th. Arts Building.

B114. ENGLISH-FRENCH AND FRENCH-ENGLISH COMMERCIAL TRANSLATION (2nd year). Mr. F. Dufau-Labeyrie and Mr. Roy A. Field. 20 lectures of 2 hours, Wednesdays at 8:00 p.m., beginning October 11th. Arts Building.

THIRD YEAR: GENERAL TRANSLATION

This course, which is conducted alternately in French and in English, is intended for students with a fair background of linguistic knowledge. It provides an introduction to translation work of a literary value and all texts are selected from among the work of writers whose fields range from the descriptive or psychological novel to the critical essay and topical article of merit and distinction. Apart from the constant building up of indispensable vocabulary this course particularly stresses the stylistic aspect of English and French, and special attention is paid to synonyms, shades of meaning and the accurate rendering of the general tone of a page.

B115. ENGLISH-FRENCH AND FRENCH-ENGLISH GENERAL TRANSLATION (3rd year). Miss L. Mabel King. 20 lectures of 2 hours, Wednesdays at 8 p.m., beginning October 11th. Arts Building.

FRENCH

BEGINNERS' FRENCH. Three classes of 25 1½-hour periods. Arts Building. Fee $38.00 for each class. Classes limited to 25.

This course has been especially planned for students who have *never* studied French before, and who desire to attain quickly a measure of fluency in that language. The approach will be entirely aural-oral, the course being planned to equip the student with a minimum of essential grammar. Attention will be paid to correct pronunciation from the start,

and aural comprehension will be particularly stressed. There will be a short conversation at the end of every class. Written exercises will be given but will not be compulsory. *Text:* G. Mauger, *Cours de langue et de civilisation françaises à l'usage des étrangers* (Librairie Hachette, Paris).

B120. Professor M.-T. Reverchon, Department of Romance Languages. Tuesdays at 6:30 p.m., beginning October 3rd.

B121. Professor Y. Champigneul, Department of Romance Languages, Mondays at 6:30 p.m., beginning October 2nd.

B122. Professor Y. Champigneul, Mondays at 8 p.m., beginning October 2nd.

ELEMENTARY FRENCH. Three classes of 25 1½-hour periods. Arts Building. Fee $38.00 for each class. Both classes limited to 25.

This course is an elementary one, devised for students who have studied some French previously but who, for lack of opportunity to use it, have forgotten most of it. French will be begun again from scratch, but the rate of progress will be faster than in *Beginners' French*, and, while the emphasis will remain on an aural-oral approach, attention will be paid to correct grammar. Students will be invited to devote some of their spare time to study, and written exercises will be set. *Text:* Douglas W. Alden, *Premier Manuel: Grammaire et civilisation françaises* (Appleton-Century-Crofts).

B124. Professor T. Romer, Department of Romance Languages. Tuesdays at 8 p.m., beginning October 3rd.

B125. Professor A. Rigault, Department of Romance Languages. Mondays at 6:30 p.m., beginning October 2nd.

ELEMENTARY FRENCH CONVERSATION. Three classes of 25 1½-hour periods. Arts Building. Fee $38.00. Classes limited to 25.

This course consists of intensive oral work with the language, with emphasis on pronunciation, fluency and correct grammar. Attention will be given to enlarging the students' vocabulary, with particular regard to their professional needs or interests. This is a very suitable course for students who have taken the written or reading approach to French and desire to bring to life the linguistic material previously acquired. *Students will receive individual attention. Text:* G. Mauger, *Courses de langue et de civilisation françaises à l'usage des étrangers* (Librairie Hachette).

B127. Professor T. Romer, Department of Romance Languages. Thursdays at 8 p.m., beginning October 5th.

B128. Miss M. A. Thérèse Férault, Department of Romance Languages. Wednesdays, at 8 p.m., beginning October 4th.

B129. Miss Julie C. Stevenson, Department of Romance Languages. Mondays at 6:30 p.m., beginning October 2nd.

INTERMEDIATE FRENCH. Two classes of 25 1½-hour periods. Arts Building. Fee $38.00 for each class. Both classes limited to 25.

This course is intended for students who have taken French in High School or who have recently taken an elementary French course. A grammar review will be undertaken and a certain amount of written work will be offered on the less familiar aspects of syntax; but most of the class work (which, it is hoped, will be conducted entirely in French) will be aimed at developing aural comprehension and increasing the students' active vocabulary on a wide range of topics. *Texts:* G. Mauger, *Cours de langue et de civilisation françaises à l'usage des étrangers* (Librairie Hachette).

B131. Miss Nicole Deschamps, Department of Romance Languages. Tuesdays at 8 p.m., beginning October 3rd.

B132. Mr. G. G. Mentha, Department of Romance Languages. Wednesdays at 6 p.m., beginning October 4th.

INTERMEDIATE FRENCH CONVERSATION. Two classes of 25 1½-hour periods. Arts Building. Fee $38.00 for each class. Both classes limited to 25.

This course will be purely oral and conducted entirely in French. It is intended for students who have reached an average degree of aural comprehension but still experience difficulty in expressing themselves in French. The course will feature a review of every-day words and phrases used in real-life situations. *Students will receive individual attention. Text:* René Hardré and Malcolm K. Hooke, *Cours pratique de conversation* (Holt).

B134. Professor M.-T. Reverchon, Department of Romance Languages. Tuesdays at 8 p.m., beginning October 3rd.

B135. Dr. Henri Jones, Department of Romance Languages. Wednesdays at 6 p.m., beginning October 4th.

B137. ADVANCED FRENCH CONVERSATION. Mme. S. Launay. 25 periods of 1½ hours, Mondays at 6:30 p.m., beginning October 2nd. Arts Building. Fee $38.00. Class limited to 25.

This course is intended for students who feel the need for fluent conversational French in business or who desire to attain a really good command of the spoken language. It will take the form of debates and discussions on prepared topics and of review of current phrases as

necessary. Each lecture will include pronunciation exercises adapted to class needs. The course will be conducted entirely in French and students will receive individual attention. *Texts:* Eugène Billaudeau, *Le français tel qu'on le parle* (Oxford Univ. Press); Picard and Black, *Manuel de conversation française* (*Heath*), optional.

GERMAN

CERTIFICATE OF PROFICIENCY IN GERMAN. A Certificate of Proficiency in German will be given upon the successful completion of the graded courses described below to those students who wish to undergo special examinations in oral and written German. Other students may pass an examination for a simple Pass Certificate. A student who has studied German at another university may be granted credit and be permitted to enter either the Second or the Third year of the course.

BEGINNERS' GERMAN (1st year). Two classes of 25 1½-hour periods. Arts Building. Fee $38.00 for each class. Both classes limited to 25.

This course offers a brief survey of German grammar and an introduction to the spoken and written language through the medium of an easy text. Oral German is stressed from the beginning and the pupil is encouraged to use the language as much as possible. *Text:* H. A. Guerber, *Märchen und Erzählungen* (Heath); B. Meyer and G. Mladenovic, *Handbook for Beginners' German.*

B140. Professor Bertha Meyer, Department of German and Russian. Tuesdays at 6:30 p.m., beginning October 3rd.

B141. Mrs. Gertrud Mladenovic. Wednesdays at 6:30 p.m., beginning October 4th.

B143. GERMAN INTERMEDIATE (2nd year). Mrs. Gertrud Mladenovic. 25 lectures of 1½ hours, Thursdays at 6:30 p.m., beginning October 5th. Arts Building. Fee $38.00. Class limited.

This course offers the student the opportunity to continue the practice of spoken and written German and to attain some degree of fluency and correctness in the language. Such discussion of grammar and syntax as are found necessary will be given. Conversation will be encouraged. *Texts:* Stroebe, *Vom Alltag zur Literatur* (Holt); Fabrizius, *Der schwarze Teufel* (Longmans, Green).

B145. GERMAN ADVANCED (3rd year). Dr. A. M. Ketter, Department of German and Russian. 25 lectures of 1½ hours, Mondays at 6:30 p.m., beginning October 2nd. Arts Building. Fee $38.00.

The course will include practice of grammar through free composition, and will be conducted as much as possible in German in order to develop fluency in reading and conversation. *Texts:* L. J. Russon, *Complete German Course*—Section II (Longmans, Green); A. E. Zucker, *Amerika und Deutschland* (Appleton-Century-Crofts).

B147. GERMAN FINAL (4th year). Mrs. Gertrud Mladenovic. 25 lectures of 1½ hours, Tuesdays at 6:30 p.m., beginning October 3rd. Arts Building. Fee $38.00.

This course is intended to continue the practice of spoken and written German, with the aim of achieving correctness in the translation of German and English texts, and fluency of expression. The texts used will be taken from contemporary German authors, and the discussions will be on an advanced level. Grammar will be stressed as far as necessary to achieve correctness. Students who wish to obtain a Certificate of Proficiency are required to study additional texts. *Texts:* L. J. Russon, *Complete German Course*—Sections IV and V (Longmans, Green); Brecht, *Kalendergeschichten* (Norton); current German newspapers.

ITALIAN

B150. ITALIAN ELEMENTARY: LANGUAGE AND CONVERSATION. Mrs. Anne Noad. 25 lectures of 1½ hours, Tuesdays, at 6:30 p.m., beginning October 3rd. McConnell Engineering Building. Fee $38.00. Class limited.

This course is planned for beginners who have had no previous experience with the language. It aims at building a practical vocabulary for everyday use and, to that effect, uses the oral-aural approach almost exclusively for the first term. In conversational practice the emphasis will be laid on fluency rather than on grammatical correctness, grammar being presented in its functional form and limited to basic syntax. In the second term, the emphasis will be on commercial vocabulary. *Texts:* Cioffari, *Beginning Italian Grammar* (Heath); Kany and Speroni, *Spoken Italian for Students and Travellers* (Heath); Cuthbertson, *Italian Verb Wheel* (Heath).

RUSSIAN

RUSSIAN ELEMENTARY (1st year). Mr. J. N. Westwood, Department of German and Russian. Two classes of 25 1½-hour periods. Macdonald Engineering Building. Fee $38.00 for each class. Both classes limited to 25.

This course will begin with the general characteristics of the Russian language, the alphabet and phonetic values of separate letters; basic

rules of grammar. There will be reading, oral and written exercises, and translation into English of selected articles, accompanied by a gradual introduction to Russian culture and civilization. *Text:* G. A. Znamensky, *Conversational Russian* (Ginn).

B160. Tuesdays at 6 p.m., beginning October 3rd.

B161. Tuesdays at 8 p.m., beginning October 3rd.

B163. RUSSIAN INTERMEDIATE (2nd year). Professor V. N. Litwinowicz, Department of German and Russian. 25 lectures of 1½ hours, Tuesdays at 6:30 p.m., beginning October 3rd. Arts Building. Fee $38.00. Class limited to 25.

The course includes a rapid review and completion of twenty-five lessons in G. A. Znamensky's *Conversational Russian;* reading and translation of short stories from Chekhov; simple narratives of Russian life and customs; grammar and oral exercises. *Texts:* G. A. Znamensky, *Conversational Russian* (Ginn); Birkett and Struve, *Chekhov Selections* (Oxford).

B165 and B166. RUSSIAN ADVANCED (3rd year) and RUSSIAN FINAL (4th year). Professor V. N. Litwinowicz. 25 lectures of 1½ hours, Thursdays at 6:30 p.m., beginning October 5th. Arts Building. Fee $38.00. Class limited to 25.

The course will include readings, translation, conversation and grammar, and will be conducted in Russian as far as possible. Students in Fourth year will do additional work. *Texts:* Pushkin, *The Captain's Daughter* (Dent); Kolni-Balozky, *A Progressive Russian Grammar* (Pitman).

SPANISH

A CERTIFICATE OF PROFICIENCY IN SPANISH will be granted on the successful completion of the graduated courses, extending over four years, described below. A mark of 75 percent or higher must be obtained in the Fourth year examination in order to gain the Certificate of Proficiency. Those who have studied Spanish at some other institution may be granted credit for one or more years depending on the progress they have made.

SPANISH ELEMENTARY (1st year). Two classes of 25 1½-hour periods. Fee $38.00 for each class. Both classes limited to 25.

A beginner's course with primarily a conversational approach. Special emphasis will be placed on a practical everyday vocabulary. Some time will also be devoted to the writing of Spanish and to the basic principles

of the language. Ample practice will be given in written work by means of translation and dictation. Students will be given considerable practice in oral work, particular importance being attached to self-expression. *Texts:* Levy, *Everyday Spanish* (Dryden Press); Rogers and Centeno, *Patterns of Spanish Conversation* (Houghton, Mifflin); Timms, *Poco a poco* (Univ. of London Press).

B180. Professor Robina E. Henry, Department of Romance Languages. Thursdays at 6:30 p.m., beginning October 5th. Arts Building.

B181. Professor Monica Harvey, Department of Romance Languages. Mondays at 6:30 p.m., beginning October 2nd. Divinity Hall, 3520 University Street.

B182. SPANISH ELEMENTARY (1st year): Conversation and Composition. Professor Gaston F. Stegen, Department of Romance Languages. 25 periods of 1½ hours, Tuesdays at 6:30 p.m., beginning October 3rd. McConnell Engineering Building. Fee $38.00. Class limited to 25.

A beginner's course which is designed to make the student conversant with the main grammatical principles, pronunciation and everyday vocabulary of the Spanish language. Practice is given in reading, writing and conversation, particular emphasis being placed on oral work. In the second half of the course, classes are conducted as far as possible in Spanish. *Texts:* D. D. Walsh, *A Brief Introduction to Spanish* (Norton); W. W. Timms, *Poco a Poco*, and *A First Spanish Reader for Adults* (both Univ. of London Press).

Applicants must indicate clearly, when registering, which of the three elementary classes they wish to take.

B184. SPANISH INTERMEDIATE (2nd year): Conversation and Composition. Professor Gaston F. Stegen, Department of Romance Languages. 25 lectures of 1½ hours, Tuesdays at 8:15 p.m., beginning October 3rd. McConnell Engineering Building. Fee $38.00. Class limited to 25 students. *Prerequisite:* at least one year's study of the Spanish language.

This course presents a rapid and effective method of study for students of Spanish who have mastered the main elements of grammar and pronunciation. Considerable written practice is given in grammar and syntax by means of translations and compositions. Particular importance is attached to oral work, and the course is conducted in Spanish. As an introduction to the study of Spanish literature, the course includes the reading and discussion of a play. *Texts:* Tarr and Centeno, *A Graded Spanish Review Grammar and Composition* (Appleton-Century-Crofts); José Lopez Rubio, *La otra orilla* (Appleton-Century-Crofts).

B186. SPANISH ADVANCED (3rd year) and B187. SPANISH FINAL (4th year). Conversation, Composition and Literature. Professor L. B. Harrop, Department of Romance Languages. 25 lectures of 1½ hours, Thursdays at 8 p.m., beginning October 5th. Arts Building. Fee $38.00. Class limited to 25.

This combined Third and Fourth year course includes advanced composition, pronunciation and conversation, intonation drills, the reading of short stories, novels and plays, and a brief account of Spanish civilization and modern Spanish idiom. *In the 1961-62 Session, special attention will be paid to Twentieth Century Spanish literature.* Those who are in their Fourth year of Certificate of Proficiency studies will be required to study an additional text. *Texts:* Tarr and Centeno, *A Graded Spanish Review Grammar and Composition* (Crofts); Espinosa, *España* (Oxford); Harrop, *Graded Spanish Comprehension Pieces* and *Notes on Spanish Pronunciation*; Ed. by Cardona, *Novelistas españoles de hoy* (Norton); Delibes, *La sombra del ciprés es alargada* (Áncora y Delfín). Additional text for Fourth year: Ed. by Watkins, *An Omnibus of Modern Spanish Prose* (Odyssey).

B200. WARD MANAGEMENT AND SUPERVISION. Miss Mary L. Richmond, School for Graduate Nurses. 25 lectures of 1½ hours, Wednesdays at 7 p.m., beginning October 4th. School for Graduate Nurses, 1266 Pine Avenue West. Fee $40.00.

Syllabus: A study of administrative planning for the hospital ward as the unit of hospital administration, plans for patient care, controlling the environment, supplies and equipment, personnel, ward teaching as part of the administrative plan, the function of the ward in the educational programme of the student nurse; the principles of supervision applied to nursing education and nursing service in establishing a supervisory programme.

Nurses who enrol in this course may read in the library of the School until the class begins at 7 p.m.

B220. BIOMEDICAL INSTRUMENTATION. Dr. John F. Davis, Dr. W. S. Martin, Dr. P. Sekelj. 20 lectures of 2 hours, Wednesdays at 8 p.m., beginning October 4th. McConnell Engineering Building. Fee $40.00. *Prerequisite:* University graduation.

This is a beginner's course in the fundamentals of electronics and instrumentation as these problems are encountered by students, both graduate and post-doctoral, in the biological sciences. Many research and observation techniques now make use of cathode-ray oscilloscopes, transducers, biological amplifiers, integrators, timers, polygraphs, etc. The physiological worker needs more than a casual acquaintance with

the principles involved in these systems. This course affords the post-graduate student, or young researcher in biology or medicine, an opportunity to brush up on his basic mathematics, electricity and physics and the applications of these in a modern biomedical research laboratory. Every third lecture will include laboratory demonstrations and bench experiments by the students.

B221. GENETICS FOR THE PHYSICIAN. Professor J. D. Metrakos, Department of Genetics. 10 lectures of 1½ hours, Mondays at 8 p.m., beginning October 2nd. Physical Sciences Centre, 3450 University Street. Fee $15.00. *Prerequisite:* University graduation.

The aim of this course is the understanding and application of basic genetic principles in the practice of Genetic Counselling. All examples will be drawn from actual genetic counselling cases; and, although the subject matter will be directed to the needs of the practising physician, other interested persons may be permitted to attend. For purposes of review, the course is fashioned on the assumption of no previous formal training in genetics. The list of topics to be covered, therefore, begins with an elementary discussion of chromosomes and genes, and proceeds gradually through such subjects as modes of inheritance, genetics as applied to a population, the taking and significance of the family history, to disease as an end-product of genes, chromosomal diseases, and problems of genetic counselling.

SECTION C

COURSES IN ACCOUNTANCY

(IN COOPERATION WITH THE SCHOOL OF COMMERCE)

In cooperation with the School of Commerce, the Extension Department offers an evening course program in Accountancy and allied subjects to meet the needs of those interested in such training. This program provides the curricular requirements for Commerce graduates proceeding to the Licentiate in Accountancy; for students of the Institute of Chartered Accountants of the Province of Quebec proceeding to the C.A. diploma; for students proceeding to the diploma of the Society of Industrial and Cost Accountants; for students of the Chartered Institute of Secretaries; and for students of the General Accountants' Association.

Students must plan their courses in accordance with the requirements of the diploma for which they are working. No student may take more than six class hours per week, four being generally preferable.

ADMISSION

Candidates for the C.A. diploma (see page 3946) must have at least junior matriculation standing and are required to submit their High School certificate to the Registrar of the University for evaluation prior to enrolment for the courses. A form obtainable from the Institute of Chartered Accountants must accompany this submission, together with cheque for $2.00 made out to McGill University. Do *not* send your certificate to the Extension Office. The requirements for admission to other diploma courses will be found on page 3948.

Students without training or experience in accounting and auditing will be required to follow the syllabus of courses in the order shown in Table I. The examinations in the courses constituting each year must be passed (the pass mark is 60%) before proceeding to the courses of the succeeding year.

Students with previous training or experience in accounting and auditing may be permitted to register at an advanced level. Application for admission to advanced standing must be made in writing to Professor K. F. Byrd, Purvis Hall, McGill University. Evidence to substantiate one's claims must accompany this letter.

ATTENDANCE

Regular attendance at lectures is required. A student who has been absent through illness must present a medical certificate at the next

IMPORTANT

Consult **GENERAL INFORMATION** at the beginning of this book.

The Department of University Extension is now located in the Macdonald Engineering Building (see map next title page of this book), and all registration in person, both day and evening, takes place in the Extension office. The regular office hours are 9 a.m. to 1 p.m. and 2 to 5 p.m., except during the registration period (see below).

REGISTRATION.—Students may register in person only during the following times:

Day—Monday to Friday inclusive, 9 a.m. to 2:30 p.m., September 6th to October 16th.

Evening—Mondays and Wednesdays only, September 11th to 27th, 5:30 to 8 p.m.

REGISTER BY MAIL, IF POSSIBLE. YOU WILL FIND A REGISTRATION CARD IN THIS BOOK.

A separate set of cards is required for each course and by each individual. All four sections of the card must be completed by the student. Each course has a number, and the number as well as the title should appear on each of the four sections of the registration card.

CHANGE OF COURSE.—Students may transfer from one course to another BEFORE the third lecture in the course is given, provided that registration for the new course is still open. Another set of registration cards, for the new course, must be filled in and mailed or brought to the Extension office, together with the Student card for the course from which the transfer is to be made. If the cards are mailed, they must reach the Extension office before the third lecture.

REFUNDS.—No refund of fees will be made after the third lecture of the course has been held.

CLASSROOMS.—Room numbers are not given in this book; they will be found on the Extension notice boards in all buildings. On the night of the first lecture, students should consult the notice board of the building in which their course is to be held.

SMOKING IS STRICTLY FORBIDDEN IN ALL CLASSROOMS.—Students may smoke in the corridors and are asked to use the containers provided.

NO STUDENT IS PERMITTED TO ENTER ANY ROOM MARKED "STAFF."

EXAMINATIONS.—In all courses where there is a final examination, students will be notified by mail of their results. Those who pass will receive a certificate. **NO EXAMINATION RESULTS WILL BE GIVEN BY TELEPHONE.**

lecture he attends. If he has been sent out of town on business, a letter from his employer is required, for first-term absences, not later than the first lecture after Christmas, and for second-term absences by the last lecture of the academic year. The signature of an authoritative individual is required, not merely the firm name, and the letter must be handed to the lecturer or demonstrator; it must not be sent to the Extension Department. Students whose unexcused absences exceed one-eighth of the lectures will not be permitted to write the examinations.

REGISTRATION

Registration and payment of fees *by mail* begins on Friday, September 1st, 1961, and students are urged to register early by this means. On Monday, September 18th, and Wednesday, September 20th, Professor Kenneth F. Byrd will be available in the Macdonald Engineering Building from 6 to 9 p.m. for consideration of special cases requiring exemptions, examination of certificates, etc. Registration of special cases will be deferred until these dates. Prospective students arriving in Canada after September 20th should write immediately to Professor Byrd.

Candidates for the R.I.A. Two evenings have been set aside, Monday, September 11th, and Monday, September 18th, from 5:30 to 8:30 p.m., for interview and registration of students wishing to proceed to the R.I.A. Diploma. *ALL R.I.A. students must register on one or other of these evenings.*

On these evenings, representatives from the Education Committee of the Society of Industrial and Cost Accountants of Quebec and representatives from the McGill Extension Department will be present in the Macdonald Engineering Building to advise and register students and receive course fees. Candidates for the R.I.A. will be given the opportunity of becoming Student Members of the S.I.C.A. and of subscribing to the Society Journal. In addition to course fees, the student will require approximately $25.00 for books, lesson notes and student membership in the Society.

Day Registration in person will be in the Extension Office, Macdonald Engineering Building, from 9 a.m. to 2:30 p.m., Wednesday, September 6th, to Tuesday, October 10th, inclusive.

Evening Registration in person will be in the Extension Office, Macdonald Engineering Building, from 5:30 to 8 p.m., on Monday and Wednesday from September 11th to 27th.

Late Registration Fee: A late fee of $5.00 for each course will be charged on all registrations after October 11th. Registration will be closed for all courses on October 15th.

TEXTBOOKS

Information concerning textbooks and multigraphed notes required in the courses may be obtained from the lecturer at the first lecture.

PROBLEM ASSIGNMENTS AND CLASS TESTS IN ACCOUNTING AND AUDITING COURSES

There will be problem assignments each week which will be turned in by the student and recorded. Assignments mailed by students must be sent to the demonstrator's business or home address; *no mail will be forwarded by the Extension Office.* Each student's submitted answers to assignments will be taken into account, together with his marks in the class test and end-of-year examination (if any), in determining his marks on completion of each course. Supplemental examinations will be marked out of 100—credit gained on problems and class tests being no longer applicable.

SPRING EXAMINATIONS

An examination in each course will be held in the spring, except in the Accounting and Auditing courses C361, C362, C561 and C562 for C.A. students. The pass mark in each examination is 60 percent. Candidates who fail to pass the examination in the spring will be permitted to write a supplemental examination in August. Candidates failing to pass the latter examination will be required to repeat the course in which they have failed and will not be permitted to register in the succeeding course.

There will be no spring or supplemental examination in Accounting and Auditing courses C361, C362, C561 and C562, in the case of C.A. students. These students will be admitted by the Institute of Chartered Accountants of Quebec to the Intermediate or Final C.A. examination, held in June, only where the University certifies that they have satisfactorily completed the work of the year. Such certificate will be given only where the student has a college record for the year of at least 60%, based on his weekly assignments and terminal tests. This college record will be very strictly kept and interpreted. Students who fail the Intermediate C.A. examination in June, but obtain at least 50% of the marks allotted in each of Accounting and Auditing, will be permitted to proceed to the Fourth year courses, C461 and C462. Students who obtain less than 50% in either or both of Accounting and Auditing, at the Intermediate C.A. examination, will not be permitted to enter the C461 or C462 course but will be required to repeat the C361 and C362 courses and obtain the University's report of successful completion before they may again write the Intermediate C.A. examination.

TABLE 1. COURSES OF INSTRUCTION FOR THE EXAMINATIONS OF VARIOUS ORGANIZATIONS

	McGill University Licentiate in Accountancy (for B.Com. only)	Institute of Chartered Accountants of Quebec	Society of Industrial and Cost Accountants*	Chartered Institute of Secretaries	General Accountants' Association
	Year	Year	Year	Year	Year
C111 Mathematics of Finance	..	1	1	..	1
C141 General Economics	..	1	..	..	1
C151 Labour and Industrial Legislation	..	..	1	..	..
C161 Elements of Accounting	..	1	1	1	1
C221 Industrial Management	..	..	2	..	4
C231 Commercial Law	..	2	..	..	2
C251 Industrial Organization	..	2	..	..	..
C261 Intermediate Accounting, Part I	..	2	2	2	2
C351 Fundamentals of Cost Accounting	..	..	3	..	..
C361 Intermediate Accounting, Part II	..	3	3	3	3
C362 Intermediate Auditing	..	3	..	..	3
C451 Advanced Cost Accounting	..	..	4	..	..
C452 Report Writing	..	..	4	..	..
C453 Managerial Statistics	..	..	4	..	..
C461 Final Accounting and Auditing, Part IA	1	4	..	..	4
C462 Final Accounting and Auditing, Part IB	1	4	..	..	4
C561 Final Accounting and Auditing, Part IIA	2	5	..	..	5
C562 Final Accounting and Auditing, Part IIB	2	5	..	..	5

Note: The years indicated are intended as a general guide and are not be to regarded as necessarily applicable in all circumstances.

*All students who joined the Society after July 1st, 1957, must follow this new curriculum. (See page 3948.)

No C.A. student may enter either the C561 or the C562 Accounting and Auditing courses until he has passed the Intermediate C.A. examination, unless he has been exempted by the Institute.

Examination results will be sent out by mail from the School of Commerce as soon as possible after each examination. *They cannot be obtained by telephoning.*

SUPPLEMENTAL EXAMINATIONS

Supplemental examinations will be held in late August for students who fail in any of the examinations in the spring. No student will be permitted to enter the courses in Intermediate Accounting, C261 and C361, and Intermediate Auditing, C362, without having passed all examinations in the accounting courses preceding, unless he has been specially exempted therefrom.

All applications for re-examination must be made to the Director of the School of Commerce before August 15th, accompanied by a cheque for $10.00 made out to McGill University, and must include a statement as to the year in which the classes were taken.

DIPLOMA OF THE INSTITUTE OF CHARTERED ACCOUNTANTS OF QUEBEC

The Institute of Chartered Accountants of Quebec conducts its own qualifying examinations but requires that candidates must have previously passed the University examinations for the courses, as set out in Table I, with the exception of Accounting and Auditing courses C361, C362, C561 and C562. As a prerequisite to recognition of any evening courses for admission to its own examinations the Institute requires the student to register with it and for this purpose the student must have obtained a junior matriculation standing recognized by McGill University. To obtain such recognition the student must present his matriculation certificate to the University Registrar before enrolment for the courses, together with a form obtained from the Institute and cheque for $2.00 made out to McGill University. See page 3942.

Details relative to registration, apprenticeship and other matters concerning the Institute may be obtained from

The Institute of Chartered Accountants of Quebec,
Chartered Accountants Building,
630 Lagauchetiere Street West,
Montreal.
C. D. Mellor, C.A., Executive Secretary.

The normal plan of studies for one who attempts to obtain a diploma requires five years, paralleling the five years of apprenticeship in the office of a practising chartered accountant.

Examinatons

The Institute of Chartered Accountants of Quebec has two sets of qualifying examinations: Intermediate Accounting and Auditing, and Final Accounting and Auditing. Both sets of examinations are held annually in June. These examinations are conducted by the Institute under its own regulations. Applications to sit for these examinations must be made to the Secretary of the Institute, with proof that the necessary requirements have been met.

The Intermediate Accounting and Auditing examinations consist of four papers and are normally taken after three years of evening study.

Before sitting for these examinations, the candidate must have passed the following course examinations:

Elements of Accounting
Intermediate Accounting, Part I (C261)
Mathematics of Finance
Commercial Law
Economics
Industrial Organization

Also he must be reported by the University as having satisfactorily completed the work of the year in Intermediate Accounting C361 and Intermediate Auditing C362 with a college record of at least 60% in each case.

In practice the Institute allows students who have written and failed in *one* only of the non-accounting courses to carry that course forward as a supplemental until after he has written his Intermediate C.A. examination for the first time. If he fails in that examination he is not then allowed to sit again until he has passed the supplemental examination in the course carried forward.

The Final Accounting and Auditing examinations consist of six papers, three in Accounting and three in Auditing, and are taken only after the course examinations in Accounting and Auditing C461 and C462 have been passed and the student has been reported by the University as having satisfactorily completed the work of the year in Final Accounting and Auditing C561 and C562 with a college record of at least 60% in each case.

DIPLOMA OF THE SOCIETY OF INDUSTRIAL AND COST ACCOUNTANTS

The Society of Industrial and Cost Accountants has three sets of qualifying examinations for its diploma, Registered Industrial Accountant (R.I.A.). The revised curriculum is as follows:

QUALIFYING COURSE

Business Mathematics (½ course) (also available by correspondence course, each summer)

A—PRIMARY

Accounting I
Industrial Legislation

B—INTERMEDIATE

Accounting II
Industrial Organization and Management

C—FINAL

I Accounting III (½)
Fundamentals of Cost Accounting

II Advanced Cost Accounting
Report Writing (½)
Managerial Statistics (½)
Accounting IV (½)
Thesis

The new curriculum has gone into effect by stages. All is now complete except Accounting IV, which will not be available until the session 1962-63.

The student may prepare for the qualifying examinations by following the courses shown in Table I.

Particulars may be obtained from Professor D. R. Patton, or from the Secretary of the Society of Industrial and Cost Accountants, Suite 14, The Linton, 1509 Sherbrooke Street West, Montreal, P.Q. (WE. 3-7362).

OTHER ASSOCIATIONS

For information about the Chartered Institute of Secretaries, write or telephone the Honorary Secretary, P. T. R. Pugsley, Suite 14, The Linton, 1509 Sherbrooke Street West (WE. 3-7362).

The General Accountants' Association provides for two sets of qualifying examinations: (a) Intermediate and (b) Final, leading to its diploma. For further details, telephone the Secretary, James G. Finnie, C.G.A., 5336 Queen Mary Road, Montreal (HU. 9-3232).

COURSES IN ACCOUNTING, AUDITING AND RELATED SUBJECTS

All Accountancy students should consult notice board in Arts Building on the night of the first lecture in any course.

C111. MATHEMATICS OF FINANCE. Professors Herbert Tate, C. D. Solin, and B. A. Rattray. 25 lectures of 2 hours each, Wednesdays at 6 p.m., beginning September 27th. Arts Building. Fee $50.00.

Syllabus: Review of fundamentals, logarithms, arithmetic and geometric progressions. Percentage, simple and compound interest, averaging accounts, annuities certain, sinking funds, perpetuities and capitalization, bonds, amortization tables, instalment purchases, depreciation, simple business statistics. *Texts:* H. Tate, *Elementary Mathematical Analysis* (Pitman); *Mathematical Theory of Interest* (Pitman).

C141. GENERAL ECONOMICS. Messrs. H. C. Byleveld and L. Simcoe. 25 lectures of 2 hours each, one evening per week at 8 p.m., Mondays beginning September 25th or Wednesdays beginning September 27th. Arts Building. Fee $50.00.

A general introduction to the basic forces at work in our economic system. Among the topics discussed are gross national product and its components; business fluctuations; saving, investment and consumption; money and credit; the laws of supply and demand; international trade. *Text:* Samuelson, *Economics*, 4th edition (McGraw-Hill).

C151. LABOUR AND INDUSTRIAL LEGISLATION. Mr. Marc C. Lapointe. 25 lectures of 2 hours each, Mondays at 6 p.m., beginning September 25th. Arts Building. Fee $50.00.

Syllabus: General provisions of the civil law concerning legal relationship between employers and employees. Individual contracts between employer and employees. Contractual Relationship and Government Regulations: Collective labour agreements governed by the Professional Syndicates Act; agreements governed by the Labour Relations Act; individual contracts governed by the Minimum Wage Act; the Quebec Trade Disputes Act, the Public Services Employees Disputes Act, and the act respecting municipal and school corporations and their employees; labour unions and employers' associations—their certification, negotiation, conciliation, arbitration; the Provincial and Federal laws governing strikes and lock-outs. Ancillary Laws: Review of the so-called social laws. Each lecture will be followed by a practical application of the theory presented. *Text: Code of Labour and Industrial Laws*, 1960 edition (G. Francq).

C161. ELEMENTS OF ACCOUNTING. Messrs. K. C. Fincham, A. H. Howson and D. H. Ladd, Mondays beginning September 25th, Arts Building; and Mr. H. Mann, Tuesdays beginning September 26th, Macdonald Engineering Building. 25 lectures of 2 hours each, one evening per week at 6 p.m. Fee $50.00. *A pass in this course is prerequisite to Intermediate Accounting, Part I.*

Syllabus: Introduction to books of account and financial statements; theory of debit and credit; principles of double entry; the accounting cycle; recording of transactions in the general journal and general ledger; working papers; principle of control accounts; accounts receivable and accounts payable ledgers; use of special books of original entry including cash receipts and cash disbursements books; sales and purchase journals; the voucher system; adjusting, closing and reversing entries; provision for bad debts; payrolls; fixed asset and depreciation accounting; distinction between capital and revenue expenditure; accounting for petty cash; bank reconciliation statements; notes and bills of exchange; inventories; preparation of profit and loss statements, retained earnings statements and balance sheets for limited companies, individual proprietorships and partnerships. Consideration of accounting principles.

Text: Finney and Miller, *Principles of Accounting—Introductory*, 5th edition, Canadian version (Prentice-Hall).

C221. INDUSTRIAL MANAGEMENT. (R.I.A. students.) Mr. T. C. Arnold. 25 lectures of 2 hours each, Mondays at 8 p.m., beginning September 25th. Arts Building. Fee $50.00.

This course is designed to provide an introduction to the broad aspects of corporate management. The course includes material on planning and financing of an enterprise, internal organization, methods and control in factory operations, industrial relations, marketing and sales administration, etc. *Text:* Bethel, Atwater, Smith and Stackman, *Principles of Industrial Organization and Management* (McGraw-Hill).

C231. COMMERCIAL LAW. Messrs. R. Stewart Willis and Jacques Tetrault. 25 lectures of 2 hours each, Thursdays at 8 p.m., beginning September 28th. Arts Building. Fee $50.00.

Syllabus: Law of contracts, sale, agency, partnership, company law, negotiable instruments, and bankruptcy.

Texts: Civil Code; British North America Act (consolidation); Canada *Companies Act* and *Quebec Companies Act; Bankruptcy Act.*

C251. INDUSTRIAL ORGANIZATION. (C.A. students.) Mr. P. M. Turner. 25 lectures of 2 hours, Tuesdays at 8 p.m., beginning September 26th. Arts Building. Fee $50.00.

This course is designed to give the student an understanding of the complexities of managing an industrial enterprise and familiarize him with the development of sound policies as well as the judicial appraisal of their effectiveness. Through discussion of case material, problems arising in business administration will be illustrated. Areas dealt with will include principles of organization; differentiation of the various business activities according to their function, i.e., finance, sales, production personnel, etc.; major specific responsibilities of top management; evaluation of a company's situation; determination of objectives; policy making; controls, etc. *Text:* R. N. Owens, *Introduction to Business Policy* (Irwin).

C261. INTERMEDIATE ACCOUNTING (PART I). Messrs. M. A. Miller, Gerald M. Bonder and Joel L. Rubinovitch. 25 lectures of 2 hours each, one evening per week at 6 p.m.: Tuesdays beginning September 26th or Thursdays beginning September 28th. Arts Building. Fee $50.00. *A pass in this course is prerequisite to Intermediate Accounting (Part II).*

Syllabus: Revision of the work of the First year at a more advanced level. Partnerships: accounting for formation, distribution of profits; admission and withdrawal of partners including treatment of goodwill and bonus; partnership dissolution and liquidation; default of a partner; sale of a partnership to a limited company. Manufacturing accounts and statements; the elements of cost; periodic and perpetual inventories; transfer of goods to trading department at a price in excess of factory cost and adjustment of inventories. Single entry; books and accounts required; preparation of financial statements from single entry data; conversion to double entry.

Texts: Smails, *Accounting Principles and Practice* (Ryerson); Finney and Miller, *Principles of Accounting, Intermediate*—Canadian edition (Prentice-Hall); *Companies Act (Canada)* (Queen's Printer).

C351. FUNDAMENTALS OF COST ACCOUNTING. Mr. G. Dale Rediker. 20 lectures of 2 hours each, Tuesdays at 8 p.m., beginning September 26th. Arts Building. Fee $40.00.

Syllabus: Purpose of cost accounting; elements of cost; process cost systems; job cost systems; controlling accounts and the cost records; accounting for materials; material storage and consumption; perpetual inventories and stores control; valuation of materials; accounting for labor cost; wage systems; accounting for manufacturing expense; distribution of manufacturing expense to production; the cost to make and sell; sundry forms; monthly closing entries; preparations of operating and financial statements; cost reports. *Text:* Matz, Curry and Frank, *Cost Accounting* (South-Western).

C361. INTERMEDIATE ACCOUNTING (PART II). Professor A. Richard Marshall and Mr. Donald W. Cook. 25 lectures of 2 hours each, Thursdays at 6 p.m., beginning September 28th. Arts Building. Fee $50.00.

Syllabus: More advanced treatment of the work of the first two years. Consignment accounts; joint ventures; instalment sales; branch accounts. Financial statements: analysis and interpretation, methods of presentation, statements of source and application of funds. Reconstruction and reorganization of limited companies; mergers and amalgamations; holding companies and subsidiaries; minority interests. Consolidated statements.

Texts: Karrenbrock and Simons, *Advanced Accounting—Comprehensive Volume*, 2nd edition (South-Western); Finney and Miller, *Principles of Accounting, Intermediate*, Canadian version, 5th edition(Prentice-Hall).

C362. INTERMEDIATE AUDITING. Professor A. Richard Marshall and Mr. I. R. Sterling. 25 lectures of 2 hours each, Tuesdays at 6 p.m., beginning September 26th. Arts Building. Fee $50.00.

Syllabus: Section 1, Auditing Fundamentals—Nature and purpose of auditing; ethics and responsibilities of auditors; errors and fraud, internal audit and control, types and uses of evidence, sampling, audit techniques, programmes and working papers. *Section 2, Audit Procedures*—Original records, assets, liabilities, owner's equity, income and expense accounts. *Section 3, Auditors' Report*—Dominion Companies Act requirements; Canadian Institute of Chartered Accountants' research bulletins; statement presentation and analysis; reports; Canadian, British and American legal cases on auditors' duties. Note.—The student is recommended to refer also to bulletins of the accountancy profession in the United States and Great Britain. *Texts:* Holmes, *Principles of Auditing, revised edition* (Irwin); Smails, *Auditing* (Pitman).

C451. ADVANCED COST ACCOUNTING. Mr. Ronald Gallay. 20 lectures of 2 hours each, Mondays at 6 p.m., beginning September 25th. Arts Building Fee $40.00.

This course is designed for those having a fundamental knowledge of Cost Accounting principles and procedure. It covers advanced instructions in costing problems, records, and practices, and cost accounting in relation to inventories, budgetary control, and other devices of the various departments of a business, including the following: estimating cost systems; principles of standard costs; standard cost procedure; variances; cost ratios; budgetary control; static and variable budgets; differential cost analysis; special considerations and debatable methods; distribution and marketing costs; cost reports; graphic charts; machine accounting; current cost developments. *Text:* Matz, Curry and Frank, *Cost Accounting*, 2nd edition (South-Western).

C452. REPORT WRITING: Technique, Expression and Application. Mr. C. J. G. Hockman, Canadian National Railways. 10 lectures of 2 hours, Thursdays at 8 p.m., beginning January 25th. Arts Building. Fee $20.00.

Techniques relate to the development of ideas for decision making; sources of information and method of organization and presentation, tables and charts, problems of style, clarity of statement. Expression deals with vocabulary, sentence and paragraph structure, and with punctuation. Several typical applications are spoken reports, letters, the memorandum, information reports, long-form reports, public information, executive reports, the reporting of accountants and writing a thesis. *Text:* Douglas, *Communication through Reports* (Prentice-Hall).

C453. MANAGERIAL STATISTICS. Mr. Leonard Simcoe. 10 lectures of 2 hours, Thursdays at 8 p.m., beginning October 5th. Arts Building. Fee $20.00.

Syllabus: The statistical approach to managerial decision making; collection of data by sample surveys—sampling, designing a survey, presentation of statistical data—charts and tables; frequency distributions and their analysis—presentation of tables, graphic presentation, analysis; probability and the normal distribution—sampling distribution, statistical inference; index numbers and the analysis of general business conditions; time series analysis and business forecasting; correlation analysis and business forecasting; the use of statistics for internal administration control. *Text:* Hanson and Brabb, *Managerial Statistics*, 2nd edition (Prentice-Hall).

FINAL ACCOUNTING AND AUDITING, PART I. (Part I should be passed before the student takes Part II.)

C461. PART 1A. Messrs. D. A. Spencer and Elliot Godel. *Licentiate students with the required B.Com. degree of McGill University only:* Mr. J. Richer. 25 lectures of 2 hours each, Tuesdays at 6 p.m., beginning September 26th. Macdonald Engineering Building. Fee $50.00.

Auditing and Investigations. Further treatment of the work of the Third year. Investigations for fraud; certification of profits for prospectus purposes; investigations for sale of business by sole traders, partnerships, limited companies, with valuation of goodwill; valuation of shares; schemes of conversion to limited company; schemes of amalgamation (consolidation) and absorption (merger); pooling schemes; schemes of reorganization and reconstruction.

Income Tax, Bankruptcy and Liquidation, Executorship Accounts

Income Tax: Principles and legal provisions (Dominion and Provincial) and their application to the problems of assessment of individuals, partnerships, and limited companies. Particular attention to the loss carry-back

and carry-forward provisions, the treatment of capital cost allowances, the avoidance of double taxation of undistributed income, personal corporations. Payments of tax by individuals, partnerships, and limited companies. Objections and appeals: the income tax special court and higher courts.

Bankruptcy and Liquidation: Receiver's accounts; the marshalling of assets and liabilities; the statement of affairs; statement of realization and liquidation; the duties of the trustee.

Executorship Accounts: Accounting for capital and income in deceased estates; statements of charge and discharge; calculation of estate tax (Dominion).

Texts: Stettler, *Auditing Principles*, 2nd edition (Prentice-Hall); John H. Myer, *Financial Statement Analysis* (Prentice-Hall); Gilmour, *Income Tax Handbook* (DeBoo); *Income Tax Act* (*Consolidated*) (C.C.H.); *Bankruptcy Act, 1949* (Queen's Printer); *Estate Tax Act* (Queen's Printer); Belanger and Fields, *Canadian Income Tax Problems* (C.C.H.)—for Licentiates only.

C462. PART 1B. Messrs. N. P. LeBlanc and John R. E. Parker. *Licentiate students with the required B.Com. degree of McGill University only:* Mr. W. J. Lawand. 25 lectures of 2 hours each, Thursdays at 6 p.m., beginning September 28th. Macdonald Engineering Building. Fee $50.00.

Advanced Accounting. Further treatment of the work of Third year. Foreign branch accounts. Preparation of consolidated accounts of Holding and Subsidiary Companies, including sub-subsidiaries. More advanced treatment of amalgamations (consolidations) and absorptions (mergers), including inter-company holdings; accounting for capital reorganization and reconstruction. Advanced accounting theory in general.

Cost Accounting. Definition of cost accounting, its aims and objects, elements of cost accounting for the purchase, storage and issue of materials; accounting for labour; schemes of remuneration of labour including incentive schemes, co-partnership and profit-sharing; accounting for overheads, with methods of apportionment to departments, and production; double entry cost accounting; job costs; process costs; estimating cost systems; standard costs and accounting for variances; closing the accounts at balance sheet date, preparation of operating statements.

Budgetary Control. Preparation of the budget including flexible budgets.

Texts: Karrenbrock and Simons, *Advanced Accounting*, Comprehensive Volume, 3rd edition (South-Western); Matz, Curry and Frank, *Cost Accounting*, 2nd edition (South-Western); and, for Licentiate students only, Finney and Miller, *Principles of Accounting—Advanced*, 5th edition, (Prentice-Hall).

FINAL ACCOUNTING AND AUDITING, PART II.

C561. PART IIA. Professor Kenneth F. Byrd. 25 lectures of 2 hours each. Thursdays at 6 p.m., beginning September 28th. McConnell Engineering Building. Fee $50.00.

Advanced accounting problems, including special reference to insurance companies, municipalities, stockbrokers, banks, and investment trusts. General revision and integration of the work of all years, including consolidated accounts and cost accounting.

Texts: Paton, *Corporation Accounts and Statements* (Macmillan); *Advanced Accounting Notes* (*1*) *General*, (*2*) *Specialised*. The following books of year 4 will also be required: Karrenbrock and Simons, *Advanced Accounting* (South-Western); Matz, Curry and Frank, *Cost Accounting*, 2nd edition (South-Western).

C562. PART IIB. Messrs. F. C. Lazier and J. G. G. Whalen. 25 lectures of 2 hours each, Tuesdays at 6 p.m., beginning September 26th. Arts Building. Fee $50.00.

More advanced treatment of the criticism of financial statements, reports and report writing, and general investigations; the drafting of schemes of amalgamation and merger, of conversion from partnership to limited company, and of capital reorganization; valuation of shares and goodwill. Revision and more advanced treatment of federal income and estate taxes.

Texts: Stettler, *Auditing Principles*, 2nd edition (Prentice-Hall); Gilmour, *Income Tax Handbook* (DeBoo); *Income Tax Act Consolidated* (C.C.H.); *Estate Tax Act* (Queen's Printer).

SECTION D

MANAGEMENT AND BUSINESS ADMINISTRATION

(IN COOPERATION WITH THE SCHOOL OF COMMERCE)

INTRODUCTION. Two groups of courses are offered in this series. The first group (A) is available to university graduates only and leads to a Diploma in Management and Business Administration. Individual courses may be taken by any graduate interested. The second group of courses (B) is available, without restriction, to everybody.

(A) CREDIT COURSES LEADING TO THE DIPLOMA

While all the courses in this series are open to any graduate interested, a candidate for the diploma must complete a special application form obtainable from the Extension office and submit it together with a complete transcript of his undergraduate record when registering. Students who are taking individual courses must show proof of their university graduation when registering. No candidate will be permitted to register for more than three courses a year, and students are advised to take not more than two. *All new candidates must register in person.* Registration is limited in all these courses. Students are therefore advised to register early in September.

REQUIREMENTS FOR THE DIPLOMA

(1) Candidates must have a university degree, or equivalent, from an approved university.

(2) All candidates must complete nine courses with a mark of not less than 60% in any course. In general, six of these courses should be completed from the required list and three from the elective list. Candidates, other than Commerce graduates, must take D1, D2, D3, D5, D6 and D8. Commerce graduates must take D3, D4, D5, D6, D7 and D8.

(3) Students who have completed some of the required courses at McGill or elsewhere may make application for the substitution of elective courses. In requesting exemption from required courses, however, the student must submit a certified description of the content of the course taken elsewhere which he regards as equivalent, and the mark obtained by him in the course. No credit will be granted for courses already taken at McGill or elsewhere.

(4) No Second or Third year course, nor an elective course may be taken until the prerequisite courses have been completed.

(5) The diploma may be obtained in three years, but the student is advised to spread the work over a longer period.

EXAMINATION REGULATIONS. An examination will be held in the spring in each course in the diploma series. For course credit toward the diploma, the student must obtain at least 60 percent in each examination. Candidates for the diploma who fail to obtain 60 percent in the spring examination may write a supplemental examination in August. If the standing obtained in the supplemental examination is less than 60 percent, the student must repeat the course.

All applications for re-examination must be made in writing to the Director of University Extension before August 1st and be accompanied by a cheque for $10 (for each examination) made out to McGill University.

CURRICULUM—DIPLOMA IN MANAGEMENT AND BUSINESS ADMINISTRATION

Required Courses:

1st Year	D1.	Economic Analysis of Business
	D2.	Principles of Accounting and Cost Determination
	D3.	Administrative Practices
	D4.	Mathematical Theory of Interest and Insurance*
2nd Year	D5.	Money and Banking
	D6.	Principles of Marketing
	D7.	Industrial Production*
	One elective	
3rd Year	D10.	Business Policy
	Two electives	

Elective Courses:

D11. Corporation Finance
D12. Investment Analysis
D13. Business Statistics
D14. Sales and Marketing Management
D15. Personnel and Industrial Relations
D16. Resources and Industries
D17. Introduction to Operations Research I
D18. Introduction to Operations Research II

*Must be taken by Commerce graduates. Not required by other graduates.

D1. ECONOMIC ANALYSIS OF BUSINESS. Professor Donald E. Armstrong, School of Commerce. 25 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 3rd. McConnell Engineering Building. Fee $50.00.

Syllabus: The classification of markets. The determination by the firm of demand, costs, and production. The formulation of policies regarding such matters as price, advertising, inventories, and packaging. *Text:* Coppock, *Economics of the Business Firm* (McGraw-Hill).

D2. PRINCIPLES OF ACCOUNTING AND COST DETERMINATION. Mr. E. H. Veinish, Veinish, Blauer & Co. 25 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 4th. McConnell Engineering Building. Fee $50.00.

Syllabus: The meaning of accounting and its essential functions and scope; the relation of accounting to other fields, with particular reference to economics; effect of changing dollar valuation on financial reports; analysis of financial statements. The financial picture of business enterprises as revealed by the accountant. Methods of financing capital requirements. Principles of cost accounting and its relation to general accounting; consideration of the elements of cost, materials, labour and overhead expenses, and their control; essential principles of standard costing and budgetary control. *Text:* Easton and Newton, *Accounting and the Analysis of Financial Data* (McGraw-Hill).

ADMINISTRATIVE PRACTICES. Three classes of 25 2-hour lectures. Fee $50.00 each class. *Applicants must indicate clearly, when registering, the class they wish to take.*

D3a. Mr. J. Peter Kohl, Canadian International Paper Company. Mondays at 6 p.m., beginning October 2nd. McConnell Engineering Building.

D3b. Mr. Norman J. Keesal, Cartier Chemical Co. Ltd. Tuesdays at 8 p.m., beginning October 3rd. McConnell Engineering Building.

D3c. Dr. G. H. Guest, Canadian Industries Limited. Thursdays at 6 p.m., beginning October 5th. McConnell Engineering Building.

In this course each student is provided with an opportunity to develop to the greatest extent possible, an awareness of and way of thinking about human attitudes, relationships and behaviour in business situations. Classroom work will consist largely of analysis and discussion of actual cases dealing with people and problems within the context of business organizations. The student should progress towards a better understanding of the fact that he, as an administrator, lives in a world of many values which are persistent, changing and often in conflict. Overall, the student should achieve a degree of competence in dealing with differences between persons and groups, ideals and objectives within an organization. *Text:* Glover and Hower, *The Administrator* (Irwin).

D4. MATHEMATICAL THEORY OF INTEREST AND INSURANCE. Dr. L. F. S. Ritcey, Department of Mathematics. 25 lectures of 2 hours, Thursdays at 8 p.m., beginning October 5th. McConnell Engineering Building. Fee $50.00.

This course deals with the general principles and problems involved in mathematics as applied to finance and involves a study of the general nature of insurance.

Syllabus: Simple and compound interest, annuities, amortization, sinking funds, depreciation, capitalized cost, bonds, life annuities, life assurances, insurance reserves, underwriting of insurance, general principles of casualty insurance, social security including health insurance, unemployment insurance and pension planning. *Texts:* Larsen and Gaumnitz, *Life Insurance Mathematics* (Wiley); Regal and Miller, *Insurance Principles and Practices* (Prentice-Hall); L. F. S. Ritcey, mimeographed notes on *Mathematics of Finance.*

D5. MONEY AND BANKING. Mr. J. E. Toten, Bank of Montreal. 25 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 3rd. McConnell Engineering Building. Fee $50.00.

Syllabus: Evolution of money and credit; banks and their operations; value of money; problems of economic stability; objectives of monetary policy. Canadian banking system and problems of Canadian monetary policy. Foreign exchanges; international payments; international monetary policy. *Texts:* George N. Halm, *Economics of Money and Banking* (Irwin); R. Craig McIvor, *Canadian Monetary, Banking and Fiscal Development* (Macmillan).

D6. PRINCIPLES OF MARKETING. Dr. Verne Atrill, International Surveys Limited. 25 lectures of 2 hours, Mondays at 6 p.m., beginning October 2nd. McConnell Engineering Building. Fee $50.00.

This course will consist of three parts. In the first part, a statement of the objectives of marketing policy will be followed by a review of the theory which, when applied, will enable these objectives to be obtained. In part two, consideration will be given to the problems of application and measurement, including such topics as advertising, packaging, choice of outlet and the coordination of marketing activities. The final part of the course will relate marketing functions to the overall problem of management. *Text:* McNair, Brown, Leighton and English, *Problems in Marketing* (McGraw-Hill); Leighton, *Canadian Problems in Marketing* (McGraw-Hill).

D7. INDUSTRIAL PRODUCTION I. Professor John C. Cherna, Department of Mechanical Engineering. 25 lectures of 2 hours, Thursdays at 6 p.m., beginning October 5th. McConnell Engineering Building. Fee $50.00.

Syllabus: (1) Manpower—Personnel administration, training, motion and time-study, predetermined motion elements, work standards, wage incentives, industrial safety and hygiene, industrial psychology and human relations. (2) Product—Analysis of the product material, properties of principal production materials, product design.

Industrial Production II, dealing with plant and equipment, manufacturing methods and production control, is scheduled for the 1962-63 session.

D10. BUSINESS POLICY. Professor W. H. Pugsley, School of Commerce. 25 lectures of 2 hours, Thursdays at 8 p.m., beginning October 5th. McConnell Engineering Building. Fee $50.00.

Business Policy covers the fields of policy-making and administration at the level where objectives are set for the Company as a whole, and departmental policies and activities are co-ordinated. Selected business case histories will be dealt with covering the top management viewpoint: problems, policies, plans and personalities; sizing up situations: formulating policies and planning programs of action; organizing administrative personnel and putting plans into action; control, day-to-day administrative problems, follow-up and reappraisal. Emphasis is placed on the over-all point of view to bring out how any section or department of a business will be managed to make the most effective contribution to the business as a whole. *Text:* Smith & Christensen, *Policy Formulation and Administration*, 3rd edition (Irwin).

D11. CORPORATION FINANCE. Mr. James D. Kadlec, Towers, Perrin, Forster & Crosby (Canada) Ltd. 25 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 4th. McConnell Engineering Building. Fee $50.00.

This course will include a detailed study of the field of Corporation Finance including the legal forms of business organization, formation and control of the Corporation, Corporation Stock, Corporation Bonds, factors determining the forms of capital structure, financial aspects of promotion, the organized security exchanges, and long and short term finance generally. Treatments for financial failure, including corporate merger, consolidation and reorganization, will also be studied. *Text:* Hunt, Williams and Donaldson, *Basic Business Finance*, revised edition (Irwin).

D12. INVESTMENT ANALYSIS. Mr. G. D. Sutton, Nesbitt, Thomson & Co. Ltd. 25 lectures of 2 hours, Wednesdays at 8 p.m., beginning October 4th. McConnell Engineering Building. Fee $50.00.

This course deals with security analysis and investment techniques, covering the different types and classes of securities. The sources of

information, methods of compiling statistics, and assessment of comparative values are discussed, together with portfolio objectives and differing philosophies of investment management. Broad economic trends, and international political climates affecting security values are analyzed. *Text:* Graham and Dodd, *Security Analysis* (McGraw-Hill).

D13. BUSINESS STATISTICS. Professor G. P. Patil, Department of Mathematics. 25 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 3rd. McConnell Engineering Building. Fee $50.00.

Syllabus: Descriptive and inductive statistics; sources; frequency distributions; the mean, median and mode; standard deviation and range; elements of probability; binomial and normal distributions; sampling technique and sampling distributions; estimation; hypothesis testing and the decision-making aspects of statistics; correlation and regression; index numbers; time series. The theory will be developed without the use of calculus but students will need to be familiar with the more elementary mathematical techniques, such as the solution of equations and the use of graphs. *Text:* Freund and Williams, *Modern Business Statistics* (Prentice-Hall).

D14. SALES AND MARKETING MANAGEMENT. Mr. Charles R. Graham, Charles R. Graham Associates. 25 lectures of 2 hours, Mondays at 6 p.m., beginning October 2nd. McConnell Engineering Building. Fee $50.00.

Syllabus: Application of the management approach to the fields of sales and marketing management. Marketing is defined as including the areas of sales, sales promotion, advertising, public relations, market research and product development, and special attention is given each of these fields. Extensive use of case materials, both from the textbook and from Canadian business, will be made, and experts in various marketing areas will be invited as guests to comment and to answer queries. *Text:* Still and Cundiff, *Sales Management, Decisions, Policies and Cases* (Prentice-Hall).

D15. PERSONNEL AND INDUSTRIAL RELATIONS. Professor H. D. Woods, Industrial Relations Centre. 25 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 3rd. McConnell Engineering Building. Fee $50.00.

This course will be concerned with the character of modern industry, the organization and functioning of management and of trade unions and the relationship between the two. The theory and techniques of personnel administration will be examined and appraised in the light of the human relationships in work situations. The trade unions and trade union groups and federations will be analyzed. The nature of

industrial conflict, and the role of the state in law and dispute-settlement machinery, will be an important section of the course. *Texts:* Neil Chamberlain, *Labour* (McGraw-Hill); Pigors and Myers, *Personnel Administration*, 4th edition (McGraw-Hill).

D16. **RESOURCES AND INDUSTRIES: A GEOGRAPHICAL APPROACH.** Professor T. L Hills, Department of Geography. 25 lectures of 2 hours, Thursdays at 6 p.m., beginning October 5th. Macdonald Engineering Building, Fee $50.00.

Syllabus: The influence of geographical factors on economic activities. A functional appraisal of resources both industrial and agricultural; resource creation and destruction; regional resource development and resource inventory. The development of the Canadian north; comparative examples from Greenland, Norway, Finland and the U.S.S.R. The problems of economic development in the 'underdeveloped' countries.

D17. **INTRODUCTION TO OPERATIONS RESEARCH: Non-probabilistic Models.** Professor George S. Cavadias, Department of Mathematics. 25 lectures of 2 hours, Tuesdays at 8 p.m., beginning October 3rd. McConnell Engineering Building. Fee $50.00.

Syllabus: Matrices. Theory of Games. Linear programming. Convex and dynamic programming. Sequencing. Applications to competitive situations, transportation, allocation and sequencing. *Text:* C. W. Churchman, R. L. Ackoff, E. L. Arnoff, *Introduction to Operations Research* (Wiley).

D18. **INTRODUCTION TO OPERATIONS RESEARCH: Probabilistic Models.** Professor George S. Cavadias. 25 lectures of 2 hours, Mondays at 8 p.m., beginning October 2nd. McConnell Engineering Building. Fee $50.00. Course D17 is not a prerequisite for this course.

Syllabus: Probability and random variables. Sampling. Utility and decision theory. Queueing theory. Reliability. Dynamic programming. Applications to statistical inventory control, replacement and the choice of investments. *Text:* M. Sasieni, A. Yaspan and L. Friedman, *Operations Research, Methods and Problems* (Wiley).

(B) COURSES FOR NON-GRADUATES

These courses are intended for non-graduates who are not eligible to attend courses in the Diploma series, but they may be taken by graduates.

D30. Administrative Procedures
D31. Personnel Administration
D32. Industrial Relations
D33. Elements of Marketing

D34. Sales Organization
D35. Retail Management
D36. Canadian Income Tax
D37. Machine Accounting
D38. Estate Planning
D39. Organization and Management of Small Business

D30. ADMINISTRATIVE PROCEDURES. Mr. J. Peter Kohl, Canadian International Paper Co. 25 lectures of 2 hours, Mondays at 6 p.m., begining October 2nd. McConnell Engineering Building. Fee $50.00. *Prerequisite:* High School Matriculation and/or supervisory position in industry, commerce or finance.

This course will be similar in content to Course D3 and the same text will be used.

D31. PERSONNEL ADMINISTRATION. Mr. J. E. Girvin, Canadian Pratt and Whitney Aircraft Co. Ltd. 10 lectures of 2 hours, Mondays at 6 p.m., beginning January 22nd. Fee $20.00.

This course surveys the functions and activities normally included in the Personnel Department, with extensive discussion of the translation of principle into policy and policy into practice, and consideration of the merits and demerits of various specific techniques. *Text:* Scott, Clothier et al, *Personnel Management* (McGraw-Hill).

D32. INDUSTRIAL RELATIONS. Mrs. Frances Bairstow, Industrial Relations Centre. 25 lectures of 2 hours, Thursdays at 6 p.m., beginning October 5th. Physical Sciences Centre, 3450 University Street. Fee $50.00.

This course will be concerned with the origins of labour problems in modern industrial organizations and trade union evolution, the relationship between management and unions, management and union objectives and techniques in collective bargaining, grievance handling, preparation for negotiations, union and management approach to productivity problems, and collective bargaining issues such as wages and fringe benefits. Some films will be shown. *Text:* Lloyd Reynolds, *Labor Economics and Labor Relations*, 3rd edition (Prentice-Hall).

D33. ELEMENTS OF MARKETING. Mr. Reed Scowen, Perkins Paper Products Ltd. 25 lectures of 2 hours, Mondays at 8 p.m., beginning October 2nd. Physical Sciences Centre, 3450 University Street. Fee $50.00. *Prerequisite:* High School Matriculation.

This course will give the student a background for forming marketing policies and the skill to put these policies into effect in solving problems and taking advantage of new opportunities which constantly arise. The

course will consist of lectures and discussion of case histories supplied by a number of Canadian firms. Whenever possible, individuals directly concerned with the cases will be present as guest speakers. *Topics:* Choosing methods of distribution; advertising; brand policy; sales promotion; market research; sales management; pricing; merchandising; packaging; the introduction of new products. *Text:* Leighton and Thain, *Canadian Problems in Marketing*, 1959 (McGraw-Hill).

D34. SALES ORGANIZATION. Mr. A. H. Stampleman. 25 lectures of 2 hours, Mondays at 6 p.m., beginning October 2nd. Physical Sciences Centre, 3450 University Street. Fee $50.00.

Syllabus: An analytical study of the techniques and policies employed in the operation of a sales organization. The approach is from the viewpoint of marketing executives of an enterprise. Extensive use will be made of lectures and case materials in considering the problems of merchandising, promoting, planning, organizing and controlling the sales activities of companies. *Text:* Stanton and Buskirk, *Management of the Sales Force* (Irwin).

D35. RETAIL MANAGEMENT. Messrs. Harry Suffrin and M. S. Segall, Steinberg's Ltd. 25 lectures of 2 hours, Wednesdays at 8 p.m., beginning October 4th. Physical Sciences Centre, 3450 University Street. Fee $50.00.

Syllabus: Opportunities in retailing; retailers in our economy; the retailer's customers; some retail policies; locating the store; the store building, fixtures and equipment; layout of the store; retail organization; buying to meet customers' wants; selecting merchandise resources and suitable merchandise; negotiations for merchandise; merchandise control; merchandise budget; pricing merchandise; retail sales promotion—adversiting, display; customer services; retail personnel management; public relations; retail accounting; control of retail expenses; retail credit; retail insurance; co-ordination of the retail organization; review. *Texts:* Duncan and Phillips, *Retailing: Principles and Methods* (Irwin); Favill, *Selected Case Problems in Retailing* (Prentice-Hall).

D36. CANADIAN INCOME TAX. Mr. Peter Wolkove, Goldberg, Messer & Wolkove. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 3rd. Physical Sciences Centre, 3450 University Street. Fee $40.00.

Syllabus: The law and practice of federal Canadian Income Tax. Computation of income with special consideration of deductions allowed and not allowed, capital cost allowances (depreciation), business losses, pension plans and annuities. Special problems of limited companies such as designated surplus, taxation of undistributed income, winding-up, reorganization, redemption of stock, stock dividends and amalgamation.

Treatment of the income of farmers and fishermen. *Texts: Canadian Income Tax Act; Canadian Income Tax Regulations; Canadian Income Tax Problems* (CCH Canadian Ltd.).

D37. MACHINE ACCOUNTING. Mr. T. S. Kennedy, Canadair Limited. 10 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 3rd. McConnell Engineering Building. Fee $20.00.

This course in Punched Card accounting is intended for students and others who have a sound knowledge of accounting principles. It is intended to show how problems attendant on a large volume of transactions or entries can be solved by the proper use of punch card machines and methods. Introductory sessions will be devoted to the background and development of punch card accounting and its advantages, as well as a discussion of the types of machines available. These will be followed by theoretical and case-history discussions on various accounting applications such as sales analysis, billing, inventory control, accounts receivable and payable, etc.

D38. ESTATE PLANNING. Mr. Norman Cohen, Cohen & Harris, Chartered Accountants. 10 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 4th. McConnell Engineering Building. Fee $20.00.

Syllabus: A brief outline of the Canadian Estate Tax Act and the Quebec Succession Duties Act. Property included and debts deductible in arriving at dutiable value. Valuation of assets. Several approaches to minimizing tax payable through advance planning. *Texts: Canadian Estate Tax Act*, 1960 edition (C.C.H. Canadian Ltd.); *Quebec Succession Duties Act* (Provincial Revenue Office); *Principles of Estate Planning* (The Canadian Institute of Chartered Accountants); W. Ivan Linton, *A Review of the Estate Tax Act*, 1961 edition (Canadian Tax Foundation).

D39. ORGANIZATION AND MANAGEMENT OF A SMALL BUSINESS. Mr. Bernard B. Lax, Merrill Lynch, Pierce, Fenner & Smith, Inc. 25 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 3rd. Physical Sciences Centre, 3450 University Street. Fee $50.00.

This course involves a general study of the operation of small businesses, with particular attention to identifying business opportunities, and the development and organizational problems within the small firm. *Texts:* Shepherd, Musselman and Hughes, *Introduction to Modern Business*, latest edition (Prentice-Hall); Donham and Day, *New Enterprises and Small Business Management* (Irwin).

SECTION E

COMMUNITY SERVICE COURSES

RAPID READING

E1. RAPID READING. Professor Margaret E. Nix, Department of Health and Social Medicine. 15 lectures of 1½ hours, Mondays and Thursdays at 6 p.m., beginning Monday, October 2nd. McConnell Engineering Building. Fee $23.00. Class limited to 40. Not for students presently in High School.

This course is designed to increase one's speed in reading. Those whose reading rate is approximately 200 words a minute can, with practice, double this rate by the end of course.

E2. RAPID READING. Identical with the above, but beginning January 22nd.

E5. JOURNALISM: A WORKSHOP IN NON-FICTION WRITING. Mr. J. S. Cram. 10 periods of 1½ hours, Thursdays at 8 p.m., beginning October 5th. Arts Building. Fee $15.00. Class limited.

This is a "workshop" or laboratory course, conducted by a practising Editor, in which students will take part in experiments, demonstrations and other processes set up to show major problems in writing and how to overcome them. They will learn to write by reporting or otherwise commenting on these experiments, having their writing criticized and discussing the criticisms. *Topics:* The writer's tools; framing a story; sources of information; sorting out facts; how to interview; using a library; reporting a meeting; what to write about; finding a public; how to get articles published.

E8. PUBLIC SPEAKING. Lecturer to be announced. 10 lectures of 1½ hours, Wednesdays at 6:30 p.m., beginning October 4th. McConnell Engineering Building. Fee $15.00. Class limited.

This course is primarily for people with no previous experience in public speaking and is designed to give the students as much practice in speaking as possible. Each lecture period will commence with a ten-minute address by the instructor, who will cover, amongst other things, the preparation and delivery of a speech, how to introduce and thank speakers, the duties of a chairman, and procedure at meetings. During the course, in addition to the prepared speeches that students will be asked to give, they will also introduce and thank speakers and take part in short debates.

E9. PUBLIC SPEAKING. Mrs. Shirley Say. 15 periods of 2 hours, Wednesdays at 8 p.m., beginning January 24th. Fee $30.00.

Public speaking is ordinarily broken down into oratory, discussion, debate, conversation, and so on. This breakdown and the sets of rules which govern them will form the basis of teaching in this course. The proper use of words, stance and delivery will be carefully checked during the student's individual participation. This is a general course aimed at developing the powers of expression.

E12. HOW TO INVEST YOUR MONEY IN BONDS AND STOCKS. (In co-operation with the Education Committee of The Investment Dealers' Association of Canada.) Lecturers to be announced. 10 lectures of 1½ hours, Thursdays at 8 p.m., beginning January 25th. Fee $20.00.

This course has been designed to give the uninitiated a working knowledge of investment principles and practices. The course is suitable either for the person who knows little or nothing about investment or for the person who is already an investor and wishes to learn more about the subject. The various types of securities available in Canada will be described and analyzed. The lecturers will also discuss such topics as the development of an investment program, the management of the investment portfolio and the interpretation and use of financial statements.

Lectures will be of 45 minutes' duration and will be followed by a question period.

E14. A PRACTICAL COURSE IN PUBLIC RELATIONS. (In co-operation with the Canadian Public Relations Society (Montreal) Inc.) Course director: Mr. Ernest J. Little, Texaco Canada Ltd. 10 lectures of 1½ hours, Thursdays at 6:30 p.m., beginning October 5th. Macdonald Engineering Building. Fee $15.00. Class limited.

This course is designed to broaden the horizon of those already in the public relations field and to provide a better appreciation and insight into the fundamentals of public relations policies and techniques for those proposing to enter this field. Lecturers are all leading public relations men in Canada and are well qualified to discuss the theoretical and practical aspects of their subjects. They will lecture on the different facets of public relations work, including definition and scope of the subject; employee communications; publicity; community relations; customer relations; special publics; public relations for financial institutions; public relations and our business system; and public relations as a career.

Each session will allow ample time for questions from the course participants. There will be a short written examination, preceded by a review of all the previous lectures, at the final session.

E16. INTRODUCTION TO THE NURSERY SCHOOL CHILD. Mrs. Enrica Fish and Mrs. Gloria Cherney, Montreal Children's Hospital, Psychiatry Department. 10 lectures of 2 hours, Wednesdays at 8 p.m., beginning October 4th. Physical Sciences Centre, 3450 University Street. Fee $20.00. Class limited to 25. *Prerequisite:* High School Matriculation.

This is an introductory course for people working in the field of Nursery Education. The first five lectures, by Mrs. Fish, will deal with Child Development, including a history of nursery schools, and the child from one to five. Mrs. Cherney will give the remaining five lectures, on Program Planning including music, art, literature, dramatic play, outdoor play, etc. Six half-day nursery school observations will be required of each student.

E17. CHILD GROWTH AND DEVELOPMENT. Professor J. E. M. Young, Institute of Education, McGill University. 10 lectures of 1½ hours, Tuesdays at 6:30 p.m., beginning January 23rd. Fee $15.00. Class limited to 25. *Prerequisite:* High School Matriculation.

This course will involve a more detailed study of child growth and development as part of a program designed for nursery school teachers.

E20. REAL ESTATE PRINCIPLES AND PRACTICES. (In co-operation with the Canadian Institute of Realtors and the Montreal Real Estate Board.) Lecturers to be announced. 25 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 3rd. Macdonald Engineering Building. Fee $100.00. *Prerequisite:* High School Matriculation or equivalent. Class limited.

This three-year program of lectures and assignments is designed to provide professional training in the fundamental principles and practices of real estate business. The Montreal Real Estate Board intends this course to improve the calibre of real estate services available to the community. Admission will be limited to those actively engaged in the business of Real Estate or those who wish to enter the Real Estate field.

The course will involve presentation of lectures with time for questions and discussion, submission of regular written assignments, and study at home. During the three-year period the following subjects will be covered: Brokerage, Law, Appraisal, Accounting, Property Management, Economics, Architecture, Insurance, and Town Planning.

Participants in the First year of the course may apply to write the Canadian Institute of Realtors qualifying examinations. Successful completion of these examinations is prerequisite to further study in the programme. Annual examinations will be held in the month of May.

Texts: The Salesman's Handbook (National Association of Real Estate Boards); *Principles of Real Estate Management* (Institute of Real Estate Management); *The Appraisal of Real Estate* (American Institute of Real Estate Appraisers); Stanley L. McMichael, *How to Operate a Real Estate Business* (Prentice-Hall); V. W. Bladen, *An Introduction to Political Economy* (Univ. of Toronto Press); Wilma C. Hefti, *How to Keep Real Estate Office Records* (Prentice-Hall).

E24. THE APPRAISAL OF REAL ESTATE. (In co-operation with the Appraisal Institute of Canada and the Montreal Real Estate Board.) Lecturers to be announced. 24 lectures of 2½ hours, Tuesdays at 6:30 p.m., beginning October 3rd, Physical Sciences Centre. Fee $60.00.

This course has been redesigned to cover not only the fundamental theory of Appraisal but also to demonstrate the practical applications of the theory. This course will be of great interest to mortgage appraisers, assessors, valuators and all others concerned with the valuation of real property. It is intended to demonstrate the practical application of the theory by means of lectures and problems. Students who complete this course may apply to the Appraisal Institute of Canada to write the corresponding qualifying examinations of that body, i.e., Parts I and II. *Texts: The Appraisal of Real Estate* (American Institute of Real Estate Appraisers); *152 Problems in Real Estate Appraisal* (American Institute of Real Estate Appraisers) or *Manual* of the Appraisal Institute of Canada.

E26. SUPERVISORY TRAINING. Mr. H. J. Tolan, Canadian National Railways. 20 lectures of 2 hours, Wednesdays at 6 p.m., beginning October 4th. McConnell Engineering Building. Fee $40.00. *Prerequisite:* some supervisory experience. Course limited to 30.

This course covers the organizational and human relationships of first-line supervisors with their immediate subordinates and the company organization as a whole. The course will include such subjects as principles of organization, delegation, induction, training, interviewing, communication, selection techniques, grievances, and labour relations. Class discussion is emphasized during most phases of the course.

E28. INDUSTRIAL INSTRUMENTATION. Lecturers from The Instrument Society of America, Montreal Section. 20 lectures of 2 hours, Tuesdays at 6 p.m., beginning October 3rd. McConnell Engineering Building. Fee $40.00.

This course is intended to cover the basic principles of automatic control mechanisms as used in the process industries. The principles of operation and some of the typical applications of instruments for measuring and controlling pressure, temperature, and fluid flow are described, using a minimum of mathematics and formulae.

E29. FUNDAMENTALS OF ILLUMINATION. Messrs. A. H. Mendel and R. S. Tate. 10 lectures of 2 hours, Tuesdays at 6 p.m., beginning January 23rd. McConnell Engineering Building. Fee $20.00.

Syllabus: Incandescent light sources; fluorescent light sources and ballasts; measurement of light; lighting systems—fixture evaluation; lighting design; quantity and quality of light; school and office, store, and industrial lighting; floodlighting and sports lighting. *Recommended text:* Illuminating Engineering Society, *I.E.S. Handbook.*

E31. INTERIOR DECORATION. Mrs. Janet T. Hardy. 11 lectures of 2 hours and one field trip. Wednesdays at 8 p.m., beginning October 4th. Macdonald Engineering Building. Fee $25.00. Class limited to 50.

This course is a practical approach to interior design through study-problems of the major points to be considered. Exercises in design, furniture planning and color theory will be augmented by brief lecture and demonstration periods. An historical review of furniture styles, a study of contemporary furnishings, a Thursday evening field trip, and the design of a room of the student's choice will complete the course. This course should be of help to students in understanding the principles of design and through this to approach the design of their own homes with greater insight.

E33. PACKAGING MATERIALS AND PROCESSES I. (In co-operation with the Educational Committee of the Packaging Association of Canada.) Lecturers to be announced. 20 lectures of 2 hours, Mondays at 6 p.m., beginning October 2nd. McConnell Engineering Building. Fee $55.00, including textbook.

This course covers the properties, characteristics and applications of the various packaging materials in general use today in Canadian industry. Instruction will comprise lectures, demonstrations, motion pictures and actual case studies. *Topics:* How to plan a package; paper and paper-board; graphic arts—processes; adhesives; set-up and folding boxes; glass and closures; fibre and corrugated products; flexible packaging; paper converting.

E36. MATERIAL HANDLING—GENERAL. Mr. Donald B. Barry, Dominion Engineering Works Ltd. 15 lectures of 2 hours, Mondays at 8 p.m., beginning October 2nd. McConnell Engineering Building. Fee $30.00.

An introductory course to the principles of material handling. *Syllabus:* Fundamentals, industrial trucks and handling equipment, cranes and monorails, fork trucks, conveyors, plant layout, analysis, reports and industrial solutions. In addition to lectures, there will be discussions, films, homework and reading assignments. It is recommended that this

basic course be taken prior to the other courses in material handling. *Texts:* J. Francis Carle, *Industrial Materials Handling* and *Materials Handling and Plant Layout* (Lincoln Institute (Canada) Limited).

E37. MATERIAL HANDLING—EQUIPMENT. Mr. C. J. G. Hockman, Canadian National Railways. 15 lectures of 2 hours, Mondays at 8 p.m., beginning October 2nd. Macdonald Engineering Building. Fee $30.00.

This course deals with equipment selection. Special emphasis is placed on the economic, mechanical and operating characteristics of fork lift trucks, pallet stackers, pallets, expendable pallets, pallet racks, dock boards, wheel and roller conveyors, hoists, cranes and monorails. The course will include film showings, pass-outs, homework and reading assignments, as well as time for discussion. *Text:* D. O. Haynes, *Materials Handling Equipment* (Clinton Co.).

E38. WAREHOUSING. Mr. Harold G. Worley, Canadian Industries Limited. 15 lectures of 2 hours, Mondays at 8 p.m., beginning October 2nd. Macdonald Engineering Building, Fee $30.00.

A practical course on warehousing incorporating the latest material handling techniques. It covers warehouse design and layout, material handling equipment, receiving, storing, shipping, stock location systems, order picking and space and inventory control. The course will include discussions, films, pass-outs, homework and reading assignments. *Text:* Andrew J. Briggs, *Warehouse Operations, Planning and Management.*

E39. MATERIAL HANDLING IN MANUFACTURING. Mr. Frank G. Bogert, Trans-Canada Air Lines. 15 lectures of 2 hours, Mondays at 8 p.m., beginning October 2nd. McConnell Engineering Building. Fee $30.00.

This course is intended for students with a good background of material handling and is designed to provide emphasis on material handling in manufacturing as opposed to warehousing. Topics to be dealt with are the relationship of materials handling and plant layout, utilization of equipment, and a typical industrial application based on the student completely laying out a small plant. *Texts:* J. Francis Carle, *Materials Handling and Plant Layout* (Lincoln Institute (Canada) Limited); James M. Apple, *Plant Layout and Materials Handling* (Ronald Press).

E41. WEEKEND EXPLORERS. Mrs. Alice J. Turnham and Museum staff with guest lecturers from Department of Zoology and Macdonald College. 10 lectures of 1½ hours, Wednesdays at 8 p.m., beginning October 4th. Redpath Museum. Fee $15.00. Three optional field trips for registered members: each trip $1.00 (payable at time) plus transportation as required

This series of ten non-technical illustrated lectures has been designed for those who enjoy the out-of-doors and wish to add the spice of adventure to their holidays and weekend jaunts. In addition to the talks which will open the way for year-round private expeditions to the Laurentians, Eastern Townships and the St. Lawrence Valley, there will be several optional all-day Saturday field trips, details of which will be announced as the course progresses.

Lecture Topics: Down to Earth; Earth's Green Mantle; Wheeling Seasons; Island on the Plain; Animals without Backbones; Fish, Amphibians, and Reptiles; Birds of Eastern Canada; Mammals of the St. Lawrence Valley; Early Man in America; Family Rambling.

SYNCHRONIZED SWIMMING. Professor M. Gladys Bean, Department of Physical Education for Women. Three courses, Royal Victoria College Pool, 555 Sherbrooke Street West. *Prerequisite:* Ability to swim and a liking for underwater swimming. *Applicants must indicate clearly, when registering, the course they wish to take.*

E42. BEGINNING SYNCHRONIZED SWIMMING. 10 classes of 1 hour, Wednesdays at 6:30 p.m., beginning October 4th. Fee $10.00.

Basic skills for synchronized swimming: strokes, elementary figures, and swimming to music.

E43. ADVANCED SYNCHRONIZED SWIMMING. 10 classes of 1 hour, Wednesdays at 7:30 p.m., beginning October 4th. Fee $10.00.

Advanced figures, hybrid strokes and combinations of the two, to music.

E44. COMPOSITION IN SYNCHRONIZED SWIMMING. 10 classes of 1½ hours, Wednesdays at 7 p.m., beginning January 24th. Fee $15.00.

Techniques of creating swimming compositions to music.

E48. COURSE FOR MEDICAL SECRETARIES. (In co-operation with the Medical Secretaries Association.) Dr. J. Langman, Mrs. Alice Thompson, Miss Kathryn Kinley and others. 20 lectures of 2 hours, Wednesdays at 8:15 p.m., beginning October 4th. Arts Building. Fee $40.00. *Prerequisite:* High School Matriculation. Class limited.

During the first hour a series of lectures will be given covering the basic features of anatomy and physiology. This is dealt with in such a way as to convey a clear and simple picture of the structural organization of the human body. Special attention is paid to the explanation of common clinical words and names of diseases in relation to each organ system

dealt with. The principles and use of commonly applied medical investigations such as radiology and electrocardiography are outlined.

The second hour will deal with medical office routine and medical office practice, with lectures on correlated subjects such as income tax, health insurance, accounting for the doctor, etc., by experts in these respective fields.

Texts: Miriam Bredow, *Handbook for the Medical Secretary* (McGraw-Hill); W. Gordon Sears, *Anatomy and Physiology for Nurses* (Macmillan); *Dorland's Medical Dictionary*, pocket edition.

ENGLISH LANGUAGE

The number of students in each class is limited to 25.

FIRST YEAR (Beginners)

Prerequisite: Literacy in student's own language. This First year (Beginners) course is designed for *real* beginners in English. Less will be attempted and the pace will be slower than in the regular First year course. Students who successfully complete this Beginners' course may, however, proceed to the Second year in the following session. *Texts:* Eckersley, *Essential English, Book I* (Longmans); Thornley, *Stories of Today* and *Plays and Stories* (P.B.E.E. series, Longmans); Harrop, *English Phonetic Word Book.*

Two lectures per week, ending in December: 20 lectures of 2 hours.

E101. Mr. J. G. Harris. Mondays and Thursdays at 6 p.m., beginning October 2nd. Arts Building. Fee $40.00.

One lecture per week, ending in April: 25 lectures of 1½ hours.

E102. Miss Ann Robson. Mondays at 8 p.m., beginning October 2nd. Arts Building. Fee $38.00.

FIRST YEAR

Prerequisite: Ability to understand and write simple English and to speak it with some fluency. This course begins at the elementary level but much more will be attempted than in the Beginners' course, the rate of learning will be faster, and the reading material of a higher level. Great stress will be laid on correct pronunciation and accentuation. *Texts:* Harrop, *Easy Comprehension Pieces* and *English Pronunciation Exercises;* Hayden, Pilgrim and Haggard, *Mastering American English* (Prentice-Hall); Dixson, *Essential Idioms in English for the Foreign Born* (Regents); *Six Men of Business* (Oxford); Thornley, *Eleven Short Stories* (Longmans).

Two lectures per week, ending in December: 20 lectures of 2 hours.

E105. Mr. Charles Mitchell. Mondays and Thursdays at 6 p.m., beginning October 2nd. Arts Building. Fee $40.00.

E106. Mr. John B. E. Garstang. Mondays and Thursdays at 6 p.m., beginning October 2nd. McConnell Engineering Building. Fee $40.00.

One lecture per week, ending in April: 25 lectures of 1½ hours.

1110. Mr. S. L. Pollard. Wednesdays at 6:30 p.m., beginning October 4th. Divinity Hall, 3520 University Street. Fee $38.00.

E111. Mr. W. T. Booth. Wednesdays at 6:30 p.m., beginning October 4th. Divinity Hall, 3520 University Street. Fee $38.00.

E112. Miss A. Groom. Tuesdays at 6 p.m., beginning October 3rd. Arts Building. Fee $38.00.

E113. Mr. Alex. Harvey. Mondays at 6:30 p.m., beginning October 2nd. Divinity Hall, 3520 University Street. Fee $38.00.

E114. Mr. Alex. Harvey. Mondays at 8:15 p.m., beginning October 2nd. Divinity Hall, 3520 University Street. Fee $38.00.

E115. Mrs. M. Brocklehurst. Tuesdays at 8:15 p.m., beginning October 3rd. McConnell Engineering Building. Fee $38.00.

SECOND YEAR

Prerequisite: The First year course, or *real fluency* in spoken and written English. In the Second year the stress is on idiom and usage, with continued formal grammatical exercises. More difficult grades of reading material are studied. *Texts:* Eckersley, *Essential English, Book III* (Longmans); Judd, *Exercises in English for Foreign Students* (Longmans); Harrop, *English Pronunciation Exercises* and *Dictation, Comprehension and Précis Pieces; The Golden Argosy* (Bantam).

Two lectures per week, ending in December: 20 lectures of 2 hours.

E120. Miss Jean Deery. Mondays and Thursdays at 8 p.m., beginning October 2nd. Arts Building. Fee $40.00.

E121. Miss E. Cattley. Mondays and Thursdays at 8 p.m., beginning October 2nd. McConnell Engineering Building. Fee $40.00.

E122. Miss Ann Robson. Mondays and Thursdays at 6 p.m., beginning October 2nd. Arts Building. Fee $40.00.

One lecture per week, ending in April: 25 lectures of 1½ hours.

E125. Mr. Albert Schacter. Tuesdays at 6 p.m., beginning October 3rd. Arts Building. Fee $38.00.

E126. Mr. W. T. Booth. Wednesdays at 8:15 p.m., beginning October 4th. Divinity Hall, 3520 University Street. Fee $38.00.

E127. Mr. S. L. Pollard. Wednesdays at 8:15 p.m., beginning October 4th. Divinity Hall, 3520 University Street. Fee $38.00.

E128. Professor Monica Harvey. Mondays at 8:15 p.m., beginning October 2nd. Divinity Hall, 3520 University Street. Fee $38.00.

THIRD YEAR

E133. Professor L. B. Harrop. 25 lectures of 1½ hours, Thursdays at 6:30 p.m., beginning October 5th. Arts Building. Fee $38.00. *Prerequisite:* the Second year course or equivalent. This course presupposes a fluent command of English. The stress will be on finer points of syntax, usage, idiom, pronunciation and intonation. The student will also be introduced to some modern English writers. *Texts:* Thomson and Martinet, *A Practical English Grammar* (O.U.P.); Mackin, *Exercises in English Patterns and Usage* (O.U.P.); Harrop, *English Pronunciation Exercises; English Phonetic Reader, Book Three; Dictation, Comprehension and Précis Pieces; Graded Comprehension Pieces;* Jones, *English Pronouncing Dictionary* (Dent); *The Golden Argosy* (Bantam Books); Clarke, *Modern English Writers* (Longmans).

E134. Dr. Mary Winspear. 25 lectures of 1½ hours, Wednesdays at 8 p.m., beginning October 4th. Arts Building. Fee $38.00. *Prerequisite:* the Second year course or equivalent. This course presupposes a fluent command of English. The stress will be on finer points of syntax, usage, idiom, pronunciation and intonation. Students will be encouraged to converse freely on topics of general interest and to submit written work for correction. *Texts:* C. Hardwick, *Words Are Important III* (Book Society of Canada); Eckersley, *Essential English, Book IV*, and *Concise English Grammar* (Longmans); Judd, *Advanced Exercises in English* (Longmans); Harrop, *English Pronunciation Exercises; Dictation, Comprehension and Précis Pieces; An English Phonetic Reader, Book III;* H. McLennan, *The Watch that Ends the Night* (McLelland & Stewart). Recommended Reference Books: Jones, *Everyman's English Pronouncing Dictionary* (Dent); Palmer, *A Grammar of English Words* (Longmans); Worrall, *More English Idioms* (Longmans).

COURSES IN ENGLISH COMPOSITION FOR BUSINESS WRITING

These courses offer a detailed study of English grammar and syntax of business phrases and terminology, and of the composition of various types of business letters. Particular attention is given to the English words, idioms, and usage which experience has shown to present difficulty to those who learn English as a foreign language. *Correct pronunciation and conversational usage are stressed.* Students are expected to prepare written assignments, which will be corrected and returned. These courses are intended for those who have completed two or more years of study in the English language courses offered at McGill or for those who have had an equivalent amount of formal instruction in the English language.

INTRODUCTORY COURSE IN ENGLISH COMPOSITION FOR BUSINESS WRITING. *Texts:* Warner, *Business Letter Writing* (Pitman); Miller, *A Grammar of Modern English* (Longmans); Allen, *Living English Structure* (Longmans); Harrop, *Graded Comprehension Pieces; English Pronunciation Exercises;* Gowers, *The Complete Plain Words* (H.M.S.O.).

E137. Mrs. M. Brocklehurst. 25 lectures of 1½ hours, Tuesdays at 6:30 p.m. beginning October 3rd. Arts Building. Fee $38.00.

ADVANCED COURSE IN ENGLISH COMPOSITION FOR BUSINESS WRITING. *Texts:* R. L. Shurter, *Effective Business Letters* (McGraw-Hill); John C. Hodges, *College Handbook*, 4th ed. (Harcourt Brace); Allen, *Living English Structure* (Longmans); Willoughby Johnson, *Exercises in English* (Houghton, Mifflin).

E139. Professor Kathleen Vaughan. 25 lectures of 1½ hours, Tuesdays at 6:30 p.m., beginning October 3rd. Arts Building. Fee $38.00.

SECTION M

EVENING COURSES AT MACDONALD COLLEGE

Evening courses have been offered at Macdonald College for some years as a service to people who live toward the west end of the Island and who may find it more convenient to go to Macdonald College than to come to McGill in the evening.

GENERAL INFORMATION—MACDONALD COLLEGE COURSES

REGISTRATION.—You may register by mail, starting September 5th.

Please use the enclosed card, fill in all four sections, and mail it, with your cheque or money order (payable to Macdonald College), to the EXTENSION SERVICE, MACDONALD COLLEGE, P.Q.

ALL of the information asked for on the card—your address, telephone numbers, employer, educational background, etc.—is important to us in conducting the program and in planning for future courses. If we do not have your telephone number, we cannot notify you of the cancellation of a lecture. We would appreciate your co-operation.

Although registration by mail is advisable, students may register at the College during the day or evening, as follows:

Day Registration: Extension Service office, basement of Main Building, 9 a.m. to 4 p.m., Monday to Friday inclusive, September 5th to October 17th.

Evening Registration: *Ground floor*, Main Building, 7 to 8 p.m. on the night the class is held.

LIMITED CLASSES.—In some of the courses as, for example, language classes, in which the progress of the student is dependent on his participation and the individual attention of the instructor, the size of the class is limited. In such cases, enrolment is on a "first come, first served" basis. It is advisable, therefore, to register early.

FEES.—The fee as indicated for each course is payable in advance, at time of registration. If, after the first or second lecture, you find that the course seems unlikely to meet your needs, a refund of the whole fee may be obtained by presenting your Student card at the Extension Service office between the hours of 9 a.m. and 4 p.m. *No refunds will be made after the date of the third lecture in the course.* If refund by mail is desired, the Student card must reach the Extension Service office *before the third lecture* and three weeks be allowed by the student for receipt of refund cheque.

CANCELLATION OF COURSES.—The student fee charged for these evening courses is essentially what it costs to put them on, assuming a certain minimum registration. If the registration in a course is less than the required minimum, the Committee reserves the right to cancel the course and refund fees.

TEXT BOOKS.—All required text books may be purchased at Extension Service office.

THANKSGIVING HOLIDAY.—No classes will be held on Monday, October 9th.

CHRISTMAS HOLIDAYS.—The last lecture before Christmas will be on Thursday, December 14th. For new courses beginning in January, ask in December for special announcement.

EXTENSION OFFICE.—The Extension Service office is located in the basement of the Main Building.

TELEPHONE.—Ste. Anne de Bellevue GL. 3-5335, local 16 (before 5 p.m.).

COURSES

M1. DRAWING AND PAINTING. Mr. Gino Lorcini, Institute of Education. 10 sessions of 2 hours, Tuesdays at 8 p.m., beginning October 3rd. Main Building, Macdonald College. Fee $20.00. Class limited.

M2. DRAWING AND PAINTING. Mr. Gino Lorcini, Institute of Education. 10 sessions of 2 hours, Thursdays at 8 p.m., beginning October 5th. Main Building, Macdonald College. Fee $20.00. Class limited.

The instruction in these courses is neither formal nor academic, but is designed to develop skill, interest, and latent talents. The class paints and draws from living models and still-life.

M4. HOW TO READ A POEM. Mr. Colin Meir, Dept. of English. 10 sessions of 1½ hours, Wednesdays at 8 p.m., beginning October 4th. Main Building, Macdonald College. Fee $15.00.

A critical examination of the poetry of John Donne and William Wordsworth; of W. B. Yeats, T. S. Eliot, Robert Frost and Dylan Thomas, together, as time allows, with the work of other modern poets. Some reference will be made to the development of English poetry, but the main emphasis of the course will be directed to a close reading of individual poems.

M7. BASIC PSYCHOLOGY. Professor J. E. M. Young, Institute of Education. 10 lectures of 1½ hours, Tuesdays at 8 p.m., beginning October 3rd. Main Building, Macdonald College. Fee $15.00.

This course will provide a brief introduction to some of the topics with which modern psychology is concerned: human growth and development, perception, motivation, individual differences, learning, mental health, and psychology in education, industry, etc. *Prerequisite:* High School Matriculation.

M8. SOCIAL PSYCHOLOGY. Professor R. Edwards, Institute of Education. 10 sessions of 1½ hours, Wednesdays at 8 p.m., beginning October 4th. Main Building, Macdonald College. Fee $15.00.

The course is directed to giving an understanding of the major social processes to which we are subject—why we see things as we do, how our beliefs and attitudes are built up, why we behave as we do, when we are in different social groups. It is hoped to extend the principles derived from such a study to an understanding of morale, leadership, public opinion, industrial conflict and international tensions. *Prerequisite:* High School Matriculation.

M11. LAW FOR THE LAYMAN. Mr. Roy C. Amaron. 10 lectures of 1½ hours, Tuesdays at 8 p.m., beginning October 3rd. Main Building, Macdonald College. Fee $15.00.

A practical survey of the Law as it relates to the holding and transferring of property, persons, their status and functions, obligations and special contracts as well as Public Law, Criminal and Administrative, Company Law and Industrial Relations, and the basis of the Canadian Constitution. *Prerequisite:* High School Matriculation.

M15. CONVERSATIONAL FRENCH. Dr. S. C. M. Hawkins and staff, Institute of Education. 10 sessions of 1 hour, Tuesdays at 8 p.m., beginning October 3rd. Main Building, Macdonald College. Fee $10.00.

French Conversation with a minimum of grammar and written work. Students meet in one large group for demonstration and discussion at 8 p.m. on the first evening of the course. On the basis of their own assessment they then attend the elementary, intermediate or advanced course. Students enrolled in one course are welcomed as auditors in another course given at a different time. In the intermediate section the text is used as a point of departure for extempore conversation. The second term courses are envisaged as continuations of the first term courses, but this fact need not prevent new registrations in January.

M20. ENGLISH FOR NEW CANADIANS. Mrs. Muriel Wells. 10 sessions of 1½ hours, Thursdays at 8 p.m., beginning October 5th. Main Building, Macdonald College. Fee $10.00.

This is a course in basic English, especially designed for New Canadians who wish to learn the English language.

M22. READING IMPROVEMENT FOR ADULTS. Mr. L. MacL. Read. 10 sessions of 2 hours, Wednesdays at 8 p.m., beginning October 4th. Main Building, Macdonald College. Fee $18.00.

This course is designed to help you to read faster and to increase your ability to get clear, accurate meaning from the printed word. It is aimed at developing the "thinking" skills as well as the "visual" skills of reading, and applying in the effective reading of newspapers, magazines and books. The early phase of training doubles reading speed in most cases, with a slight improvement in comprehension; followed later by development of the techniques of analysis and interpretation, with ability to find the organization, structure and main ideas of the material. Limited class.

M26. PUBLIC SPEAKING. The Rev. John W. Kerr. 20 sessions of 1½ hours (2 terms), Tuesdays at 8 p.m., beginning October 3rd. Main Building, Macdonald College. Fee $30.00. Limited class.

An elementary course for those with little or no previous experience in public speaking. Will cover the preparation and delivery of a speech, the choice of language, the introduction and thanking of speakers, the duties of a chairman and the conducting of meetings. Students will be asked to prepare and deliver speeches, and to take part in short debates.

M28. HOME GARDEN LANDSCAPING. Mr. Juri Roht, Department of Horticulture. 10 lectures of 1½ hours, Tuesdays at 8 p.m., beginning October 3rd. Main Building, Macdonald College. Fee $15.00.

Landscape design, improvements of soil, fertilizing plant material, lawns, care of trees and shrubs, etc.

M30. THE FLOWER GARDEN. Mr. Juri Roht, Department of Horticulture. 10 lectures of 1½ hours, Tuesdays at 8 p.m., beginning March 6th, 1962. Main Building, Macdonald College. Fee $15.00.

Design of flowerbeds, perennial plants, annual flowers, plantings and care of flowerbeds. Propagation of plants both out of doors and in the house. Lectures will be supplemented by practical periods in the greenhouse.

M32. WOODLOT FORESTRY. Professor A. R. C. Jones, Dept. of Woodlot Management, and Mr. J. L. Van Camp, Canadian Forestry Association. 10 lectures of 2 hours, Thursdays at 8 p.m., beginning October 5th. Main Building, Macdonald College. Fee $20.00.

This is a practical course for small-woodlot owners. It will include forestry problems as related to Quebec woodlot and government extension services available to woodlot owners; tree identification; protection of woodlots, control of insects, disease, fire and other agencies; growth of

trees and stands; measurement of standing timber and important woodlot products; planting techniques; improvement of young stands; marking and selective cutting in older forests; woodlot regulation and marketing possibilities. The course will include three field trips.

M34. SEWING, ELEMENTARY. Mrs. K. Murray. 10 sessions of 2½ hours, Tuesdays at 7:30 p.m., beginning October 3rd. Main Building, Macdonald College. Fee $20.00. Class limited.

A laboratory course in elementary sewing in which a simple garment is constructed. Instruction is given in selection of patterns and materials, the use of the sewing machine, laying on and cutting out pattern, fitting and altering patterns and basic techniques of garment construction.

M35. SEWING, ADVANCED. Mrs. M. Bubar. 10 sessions of 2½ hours, Tuesdays at 7:30 p.m., beginning October 3rd. Main Building, Macdonald College. Fee $20.00. Class limited.

A course designed for those who have mastered the basic skills of dressmaking. A more advanced project will be attempted with the application of such principles as detailed pattern alteration and fitting.

M38. KEEP FIT—FOR MEN ONLY. Mr. Robert W. Pugh, Physical Director, Macdonald College. 10 sessions of 1½ hours, Wednesdays at 8 p.m., beginning October 4th. Men's Building, Macdonald College. Fee $15.00.

The course will start with a moderate program of calisthenics and proceed to light team games, volley ball, etc., followed by a swim. Class limited. 2 terms.

M40. SWIMMING, WOMEN. Mrs. Jaqueline Campbell, Red Cross Water Safety Instructor. Two classes each Tuesday—beginners 7:30 p.m. and advanced 8:30 p.m. Classes limited. 10 sessions of 1 hour each, beginning October 3rd. Stewart Hall Pool, Macdonald College. Fee $10.00.

Beginners: 7:30 p.m. Class will deal with fundamentals. Aim—one completed stroke for each student, with working knowledge of two more by the end of ten lessons.

Advanced: 8:30 p.m. Stroke improvement, with emphasis on the crawl. Diving and synchronized swimming are included for those sufficiently skilled in all swimming strokes.

M50. CERAMICS (non-professional). Miss Rosalie Namer. 10 sessions of 3 hours—2 terms. Three classes limited to 12 people each: Wednesday afternoons at 2 p.m. and Tuesday and Wednesday evenings at 7:30 p.m., beginning October 3rd and 4th. Ceramics Workshop, Macdonald College. Fee $25.00 per term.

Beginners and advanced. Handwork, wheelwork and glaze technology. Cost of materials included in fees; small firing charge extra.

M51. LEATHERCRAFT AND METAL JEWELLERY. Miss Frances Wren, School of Household Science. 10 sessions of 3 hours—2 terms. Two classes limited to 12 people each: Tuesday evenings at 7:30 p.m. and Wednesday mornings at 9 a.m., beginning October 3rd and 4th. Main Building, Macdonald College. Fee $15.00 per term.

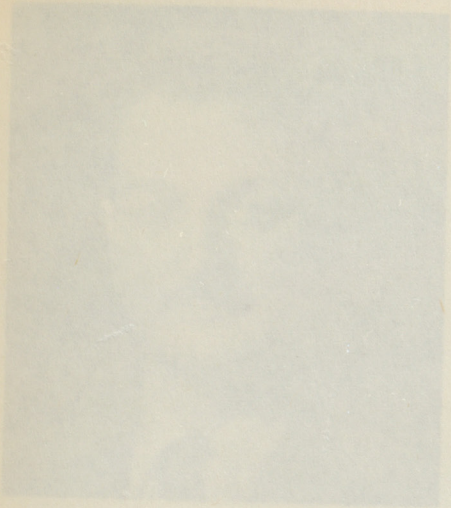
M52. WEAVING. Miss Frances Wren, School of Household Science. 10 sessions of 3 hours—2 terms. Class limited to 10 people: Thursday evenings at 7:30 p.m., beginning October 5th. Main Building, Macdonald College. Fee $15.00 per term.

Projects in handicrafts may be chosen, and carried out under direction of the instructor. Originality of design is encouraged. A small extra charge is made for materials.

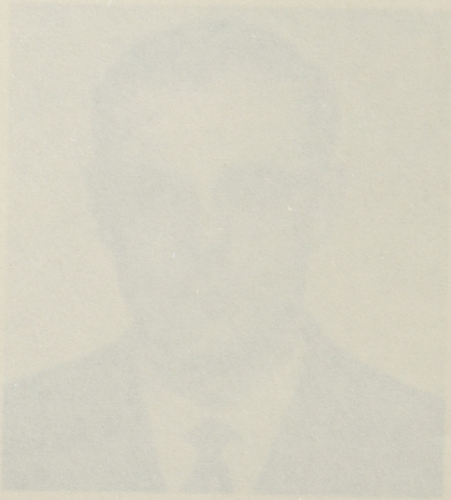
M53. WOODWORKING. Professor A. C. Malloch. 10 sessions of 3 hours—2 terms. Two classes limited to 15 people each—beginners Mondays, 8 p.m., advanced Tuesdays, 8 p.m., beginning October 2nd and 3rd. Dept. of Agricultural Engineering, Macdonald College. Fee $20.00 per term.

Beginners: Course will include instruction and practice in care and use of hand and machine tools, types of joints commonly used, choice of wood for various projects.

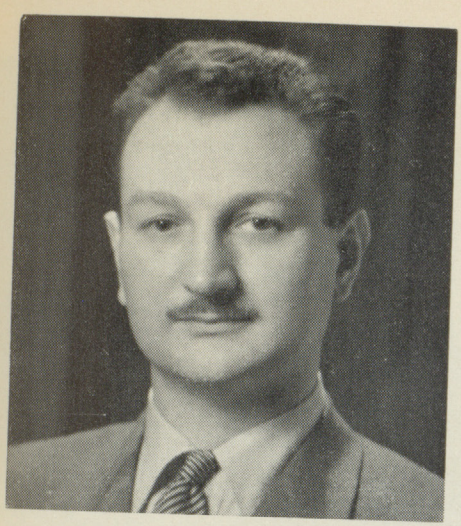
Advanced: Assistance offered in completing particular projects, with safe and proper use of table and swinging arm saws, band saws, sabre saw, portable power saw, drill press, mortising chisel, jointer, router, sanders, lathes, etc., as well as usual hand tools.



André Rugaley
Director



Marjorie Kamvar
Assistant Director

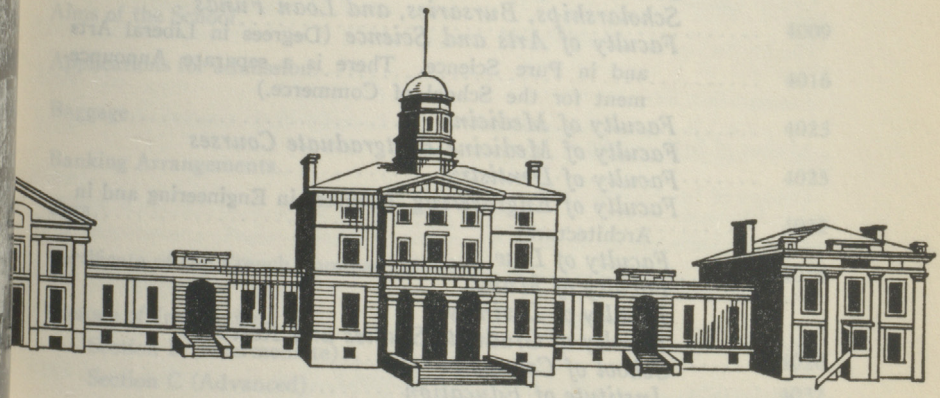


André Rigault
Director

Maurice Rabotin
Assistant Director

THE ARTS BUILDING

FRENCH SUMMER SCHOOL



McGILL UNIVERSITY

MONTREAL CANADA

June 27 — August 9, 1961

45th Session

Director: Professor André Rigault

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Institute of Education
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture, and School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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ADMINISTRATIVE OFFICERS

R. E. Powell, D.Litt. (Monmouth), LL.D. — *Chancellor of the University*

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Dean of the Faculty of Arts and Science

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Director of the French Summer School

Maurice Rabotin, B. ès L., Licencié ès Lettres (Paris)
Assistant Director of the French Summer School

John H. Holton, B.Com. (Tor.) — *Secretary of the Board of Governors*

Colin M. McDougall, D.S.O., B.A. — *Registrar of the University*

G. A. Grimson, B.Com. — *Comptroller*

Miss Jacqueline Goldberger — *Secretary of the French Summer School*

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Miss Jacqueline Goldberger — *Secretary of the French Summer School*

OFFICERS OF INSTRUCTION

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Assistant Professor of French, McGill University, Director of the School

MAURICE RABOTIN, B. ès L., Licencié ès Lettres (Paris)
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MLLE MICHÈLE CALO, B. ès L. (Paris), B.A. (Columbia)
Assistant in the French Department, Mount Holyoke College

MLLE YVONNE CHAMPIGNEUL, O.A., B. ès L., Licenciée ès Lettres (Toulouse), Diplômée d'Etudes Supérieures de Lettres (Toulouse), Agrégée de l'Université de France, Conseillère Pédagogique dans les Lycées et Collèges français *Assistant Professor of French, McGill University*

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G. DONALD JACKSON, B.A. (Manitoba), M.A. (Toronto), Diplômé de l'Ecole Supérieure des Professeurs de Français à l'Etranger (Sorbonne)
Lecturer in French, McGill University

MLLE MARYVONNE KENDERGI, B. ès L., Licenciée ès Lettres (Paris), Diplômée d'Histoire de l'Art (Paris), Licenciée de concert (piano) et Licenciée d'enseignement (Ecole Normale de Musique de Paris), Ancienne Elève d'Alfred Cortot
Producer of European Musical Festivals, Radio-Canada (French network), Montreal

MME EVA KUSHNER, B. ès L. (Paris), B.A., M.A., Ph.D. (McGill)
Lecturer in French and Philosophy, University of Western Ontario, Sault Ste. Marie Extension

MLLE ELIZABETH LA MOTHE, Diplômée d'Etudes Supérieures de Lettres (Université de Montreal) *Senior Teacher of French, Trafalgar School, Montreal*

GUY MENTHA, B. ès L. (Paris), M.A. (McGill), Ph.D. (Yale)
Lecturer in French, Yale University

MLLE MARIE-THÉRÈSE REVERCHON, O.I.P., B. ès L., Licenciée ès Lettres (Paris), Diplômée d'Etudes Supérieures (Paris), Certificat d'Aptitude à l'Enseignement dans les Lycées, Agrégée de l'Université de France
Associate Professor of French, McGill University

THADDÉE ROMER, Officier de la Légion d'Honneur, Licencié ès Sciences Politiques et Sociales (Lausanne)
Assistant Professor of French and Administrative Assistant to the Chairman of the Department of Romance Languages, McGill University

MME LUCIE TOUREN-FURNESS, O.I.P., B. ès L., Licenciée ès Lettres (Paris)
Emeritus Professor of French Language and Literature, McGill University

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In addition to the regular Resident Staff, Assistant Instructors will be appointed as necessary, in order to keep classes down to a size compatible with maximum teaching efficiency.

GROUP LEADERS

The *French Song Groups* will be conducted by Mlle Maryvonne Kendergi.

The leader of the *French Dramatic Group* will be Mlle. Michèle Calo.

The Editor of *Chantecler* (the weekly French paper produced by the Staff and Students of the School) will be M. Guy Mentha.

VISITORS

As in the past, the School will have the honour of entertaining French diplomatic representatives and other distinguished French and Canadian men and women residing in or passing through Montreal. All students will have an opportunity of conversing with the visitors and asking them questions on subjects of topical interest.

The School extends a cordial invitation to American University Professors of French who may be spending their vacations in Canada, and to their Canadian colleagues. They will always be welcome at the School, and the Director will be glad to authorize them to attend any lectures in which they may be interested, or, if space permits, to spend a few days in the refreshing atmosphere of the French House.

"MONTRÉAL, — UNE GRANDE MÉTROPOLE D'UN MILLION ET DEMI D'HABITANTS, DONT LES DEUX-TIERS SONT DES CANADIENS DE LANGUE FRANÇAISE . . . CE N'EST PAS SANS RAISON QUE L'ON A PU DIRE: MONTRÉAL EST LA PLUS GRANDE VILLE FRANÇAISE DU MONDE APRÈS PARIS."

The French Summer School
OF McGILL UNIVERSITY

THE FRENCH SUMMER SCHOOL AND ITS ENVIRONMENT

The French Summer School (established in 1904) is one of the specialized Schools of the Faculty of Arts and Science of McGill University, an Institution internationally known for its high academic standards, whose Royal Charter dates back to 1821.

Credits obtained at the French Summer School may be counted towards McGill Undergraduate or Graduate Degrees. They are recognized by and transferable to all accredited Colleges and Universities on the North-American continent.

The French Summer School is the only activity conducted on the McGill Campus during the summer, and all the facilities of McGill University, from libraries to swimming-pools, are at the disposal of its students and Faculty.

The excellent academic background of the French Summer School is only one of its salient features. Of great practical importance are, also, the advantages derived from the location of the School in the Metropolis of Canada.

Montreal is not an exclusively French-speaking city; it is bilingual, and English is as frequently heard as French in its business district. But over a million residents on the Island of Montreal have French as their native language, use it daily in their homes, clubs, schools and churches, read French newspapers, listen to French radio and T.V. stations and strongly resist the inroads of English in their cultural life. The population of Montreal ranks immediately after that of Paris (France) as the largest French-speaking city group in the world. Nowhere else on this continent can the serious student of French find a greater concentration of French "realia" or a richer diversity of "live" visual and aural teaching aids.

THE AIMS OF THE SCHOOL

If living in the "French atmosphere" of Montreal is a pleasant and enriching experience, breathing in the air of the city is unfortunately not enough to improve one's ability to speak or understand French. Any one who wishes seriously to attain a degree of fluent correctness in French must follow a carefully planned course of training which combines a lively up-to-date approach to linguistic problems with a study of the culture which the language was made to convey. McGill French Summer School does its best to offer such a course.

The School has been designed primarily to suit the needs of North-American College and University students, keen to gain a practical working knowledge of French by "living the language," and interested in growing better acquainted with the literature, fine arts, and civilization of France, French-Canada and French-speaking peoples.

It is a resident School because the constant association of Staff and students at work and at play is the most effective way of promoting language practice. French is the only language used at all times.

The School programmes should appeal especially to:

Teachers of French, at all levels: they will find courses dealing with their professional problems, and stimulating methods.

Graduate students: they may take courses leading to the McGill Master of Arts degree in French.

French Majors: they will appreciate the wide choice of courses outside the usual College pattern.

FEATURES OF THE 1961 SESSION

1. NEW COURSES

Courses listed in the *Language sections* of the Announcement are not changed from year to year, as experience has shown that they answer the needs of the great majority of the student body.

On the contrary, courses listed in the *Literature and Civilization sections* one Session are very seldom repeated the following year. Exception is made only in the case of courses for which there has been a special demand. Two such courses, given in 1959 or 1960, will again be offered in 1961:

25. FROM BOOK TO STAGE (N.B.: a double course).

27. POLITICAL, SOCIAL, AND ECONOMIC PROBLEMS IN FRANCE TO-DAY.

A new course on French Civilization and its relationship with French Literature will be offered this year:

26. LITERATURE AS A MIRROR OF CIVILIZATION.

Attention is also called to new cultural courses on various aspects of French art:

28. THE PLASTIC ARTS IN CONTEMPORARY FRANCE.

29. FRENCH MUSIC IN THE 20TH CENTURY.

43. QUELQUES MUSICIENS CONTEMPORAINS ET LEURS POÈTES.

The art courses will provide interesting material and opportunities to learn some technical and a great deal of every-day French.

2. APPLIED LINGUISTICS FOR TEACHERS OF FRENCH.

Two schools of thought, two methods seem to be in conflict in the teaching of modern languages today. Some teachers consider language mainly in relation to literature, and since writing enjoys great prestige as a permanent record and vehicle of literature, they favour acquisition of the written language from the very beginning. Their ideal method remains the reading-grammar approach. However, other teachers relying on scientific analysis of language, affirm that sound and speech habits should be taught and mastered before concentrating on written language and literature. We are of the opinion that the two approaches are complementary rather than conflicting, and should be used at different stages of language teaching.

The aim of the course will be to show that new methods based upon modern linguistic research provide efficient ways of mastering a foreign language, hence opening the royal road to foreign literature and civilization.

The two instructors in Course 51 have a wide experience in the field of language teaching. Under the auspices of the McLean Foundation, Mlle Thérèse Férault has, since 1956, been in charge of experimental bilingual teaching at Weston School, and she is both an outstanding teacher and an acknowledged specialist in the field of language pedagogy. At the beginning of the session, she will just have returned from France where she is spending the current year carrying out research on linguistics and the teaching of French. For sixteen months in 1959-60, Professor A. Rigault toured the best European Institutes of Phonetics and Language Research Centres, as well as those French institutions that are the most progressive in the teaching of French as a foreign language (Centre du français fondamental, Centre audio-visuel de St. Cloud, University of Besançon). Since both instructors are also well acquainted with modern trends in linguistics and language pedagogy in North America, they will be able to impart to their students an up-to-date knowledge of modern language teaching methods, and give the course a great practical value.

(See description of the course on page 4037)

3. COURSE ON FRENCH IN TO-DAY'S DIPLOMACY AND PROTOCOL.

For centuries French has been the only diplomatic language, and in spite of the apparent predominance of English throughout the Western World, French remains, because of its clarity and flexibility, one of the compulsory languages in international conferences, and the preferred language in diplomatic circles.

To assist the growing number of students contemplating careers with International Organizations or the Foreign Services of their own countries, the French Summer School has, since 1956, offered a specialized course in current French usage in diplomacy and protocol.

In 1961 the Instructor will again be Professor T. Romer, who has had long experience of the diplomatic service, including ambassadorial and ministerial appointments.

Like all other French Summer School courses, Course 50 will be given entirely in French. A description of the course will be found on page 4035.

4. LANGUAGE PRACTICE LABORATORY:

A language laboratory is not essential to a resident School with a high ratio of Staff to students: a student in difficulty always finds an Instructor eager to assist, who will prove more helpful than any machine . . .

However, a small language practice laboratory is set up in the French House (Douglas Hall). It consists of turntables equipped with earphones allowing groups of three to work with the same record at the same time and of tape-recorders with which students can check their own pronunciation.

Lessons which have been taught in the lecture room in the morning will be available in record form in the afternoon. All records are cut by Staff members, and some courses (viz: Nos. 13, 14 and 32) will be recorded in their entirety.

5. TUTORING

Students in *Section C* will be divided into small groups, each of which will be assigned to a tutor and meet three times a week in the afternoon. Tutors will introduce students to bibliography and literary criticism, will assist them with their readings and assignments, and, in the case of M.A. students, with research towards a thesis. They will also help them solve their linguistic problems. The benefits derived by students from such helpful and constant assistance cannot be too strongly emphasized.

6. FRENCH SONG GROUPS

An Instructor has been especially appointed to lead groups in the singing of French and French-Canadian songs. The value of singing in a foreign language as an approach to the sounds and rhythms of the language cannot be too much stressed, and all students—even those who doubt their singing ability—must avail themselves of this opportunity to learn French "par la joie."

7. DRAMATICS

The School has always been noted for the polish and ingenuity of its production of French plays, and all the students who acted in them have agreed that the experiment had considerably improved their confidence in the use of spoken French.

The benefits accruing from this should not be limited to a few advanced students or to those taking Course No. 25, but should be available to the whole student body. To increase the possibility of gaining this valuable experience, a number of easy, short scenes will be offered by *Section B* students. They will be performed arena-style and it is hoped that students of all Sections will take advantage of this opportunity thus to improve their spoken French.

8. EVENING LECTURES

The Monday evening lectures, open to students and their guests, provide excellent opportunities to test one's progress in aural comprehension. They offer material of topical and general interest.

The Guest Lecturers will be distinguished Frenchmen and French-speaking Canadians. They will deal with some of the political, artistic and spiritual aspects of France, and French Canada today. Their names will be announced on Registration Day.

9. TAKING ADVANTAGE OF THE SCHOOL'S FRENCH-CANADIAN BACKGROUND

French Canada has much to offer to those who make the effort to learn its language. To the superficial observer, its way of life may appear "americanized." But the student soon finds that the French-Canadian community has remained refreshingly different from all other North-American groups. As he becomes aware of the historical, religious and political factors which have shaped the French-Canadian institutions and scale of values, he realizes that the Province of Quebec stands for a certain type of civilization which bridges the gap between the Old World and the New. To spend six weeks in Montreal without trying to make contact intelligently with French Canada would be losing a great educational opportunity.

The School endeavours to facilitate such contact in a variety of ways.

The 1961 programme includes:

1. The evening lectures described in paragraph 8.

2. A two-day tour of the St. Lawrence Valley, Quebec City, the Island of Orleans and the Laurentians north of Quebec, to take place by the middle of July. Participants will leave Douglas Hall by chartered coaches on Friday midday and return on Sunday night (*Saturday morning lectures will be cancelled for the whole School*).

Total cost of this tour, including transportation, accommodation, meals and fees, will not exceed $25.00. Complete details will be announced on Registration Day.

As this tour demands very careful planning, students are requested to indicate as soon as possible, and in any case, not later than Registration Day, their intention to participate.

3. Conducted visits to scenes of French-Canadian business, intellectual and artistic activities in Montreal will be arranged for smaller groups, free of charge.

4. A half-day visit to the Laurentians north of Montreal will be arranged before the final examinations, at very small cost.

Mr. Rabotin, Assistant Director of the School, will assume the responsibility of all School-sponsored tours and visits.

STATUS OF STUDENTS IN THE SCHOOL

The School admits only full-time students (i.e. students paying full tuition fees and prepared to take the minimum number of courses specified below).

With the Director's permission, partial students may be admitted if qualified to take courses in *Section C* (*Advanced*).

THE SECTION SYSTEM

On Registration Day, with the assistance of Interviewing Boards, students enroll in ONE Section, and select their courses from those offered in that Section.

Section A will not be open in 1961.

Students enrolled in *Sections B and C* must take a minimum of 5 (and a maximum of 6) courses.

One—and only one—of the courses selected may be taken from those offered in a Section other than the one in which the student has enrolled.

Students proceeding to a McGill M.A. are subject to special regulations (see page 4037). They are considered full-time students during the four Sessions leading to the degree, and pay full tuition fees, whatever the number of courses actually taken.

ADMISSION REQUIREMENTS

Applicants for admission to the French Summer School must meet specific requirements in respect of health, age, general education and proficiency in French.

1. HEALTH.

The School cannot accept any student suffering from a serious physical disability or any student under medical treatment.

Applicants with health problems should write confidentially to the Director, quoting the name and address of their physician, before they send in their application. They will be advised promptly whether their registration is acceptable.

2. AGE.

(A) Minimum

The School does not accept any students who have not attained the age of 18 by the day of Registration.

(B) Maximum:

The School does not normally accept students who are over 40 years of age, unless they are Graduates qualified to take courses in *Section C (Advanced)*, or specially recommended Teachers of French.

3. GENERAL EDUCATION.

The School accepts only individuals who are:

(a) *either* College or University graduates.

(b) *or* students proceeding to a degree at a recognized College or University in Canada or the United States.

Individuals who have not completed their secondary education are not admissible.

4. PROFICIENCY IN FRENCH.

Admission standards are described below in terms of "years of French" done at School, College or University. They are intended to serve only as an indication and should not be interpreted rigidly. Considerable differences exist on the North-American continent in French teaching methods and standards, the contents of a "year of French" vary with institutions, and a "reading knowledge" is no guarantee of sufficient fluency.

Section A (Introductory)

This Section will not be open in 1961.

Section B (Intermediate)

Applicants should normally have completed 2 or 3 years of their College or University degree course, with French as their continuation or major subject. They should be able to speak with some fluency (using an active vocabulary of approximately 2,000 words), to write correct grammatical French and to read French at a fair speed. Some acquaintance with French literature and civilization will be found an asset.

Section C (Advanced)

Applicants should normally have graduated (or be graduating) with French as their Major, and contemplate teaching or graduate work in French. They must be familiar with the main literary movements from 1600 to the present day and have read some of the more important writers.

Applicants uncertain of the Section best suited to their needs may write to the Director for advice. In any case, all accepted students will be interviewed on Registration Day by panels of Staff who will guide their selection of Section and Courses.

APPLICATIONS FOR ADMISSION

Applications for admission to the School must be made on an Application Form obtainable from the Secretary; an identity photograph should be attached to the form.

The completed Application Form, accompanied by a letter of recommendation and the Registration fee of $25 (Canadian) must reach the Secretary's Office before June 15. Accepted applicants will receive a Letter of Admission.

The Registration fee will be refunded to students who withdraw before June 15. After that date, it will be held until the following Session, after which it will be forfeited.

Students applying for scholarships should note requirements listed on page 4019.

Students are advised to apply well in advance, especially if they wish to stay at the French House. Accommodation is limited and rooms will be reserved on the first come, first served, basis. Partial students can be accommodated only if space is available on Registration Day.

OPENING DATE

The School will open on Tuesday, June 27, and close on Wednesday, August 9.

Students in residence at the French House will be permitted to spend the night of June 26-27 in the residence *provided* that they give due notice to the School Secretary and arrive between 5 P.M. and 10 P.M. on June 26.

No meals will be served before breakfast on June 27.

REGISTRATION

Registration will take place in the Arts Building, on Tuesday, June 27.

Students will register according to the following schedule:

Resident Students:

(a) *Section B* students will register on the morning of Tuesday, June 27 from 9:30 A.M. to 12:30 P.M.

(b) *Section C* students will register on the afternoon of Tuesday, June 28 from 2 to 4 P.M.

Non-resident Students:

All non-resident students will register on the afternoon of June 27 from 2 to 4 P.M.

The Opening Exercises, which all students should attend, will take place on Tuesday, June 27, at 8 P.M., in the Common Room of Douglas Hall (French House).

Special arrangements may be made for teachers unable to leave their duties in time to reach Montreal for Registration Day, provided that the delay in their arrival does not exceed two days and is duly notified to the Secretary.

FEES

Registration Fee	$ 25
Tuition fee for full-time students	150
Residence (room and board)	180
Fee for a three-hour course taken as a partial course	35
Quebec excursion and Montreal Tour (optional)	25

FEES FOR M.A. STUDENTS (SEE PAGE 4039)

FEES ARE PAYABLE IN CANADIAN FUNDS. As the Announcement goes to press, the rate of exchange is approximately 99 Canadian cents to one U.S. dollar (or $1 Canadian = $1.01 U.S.).

Students should pay all fees in cash or by cheque drawn on a Canadian Bank at the time of registration.

After registration has taken place, no fees will be refunded to any student who:

(a) leaves the School without permission of the Director or Assistant Director;

(b) is dismissed from the School by the Dean.

Should a student's presence be required at home during the session (in case of illness or domestic affliction), he must first obtain permission to leave from the Director or the Assistant Director. A refund of fees will later be arranged according to the circumstances of each individual case.

VETERANS

The School has been approved as one of the recognized institutions where U.S.A. and Canadian Veterans may continue their studies. The School tuition fees will therefore be paid by the Department of Veterans' Affairs provided that:

(a) U.S. Students obtain a Certificate of Eligibility from their local Veterans' Administration Agency.

(b) Canadian students obtain a Certificate of Eligibility from their local D.V.A. representative.

The Certificate of Eligibility should be delivered to the Cashier at the time of registration. Failing this, the fees must be paid in full, subject to refund when the Certificate is received.

Veterans in residence will be required to pay the $25.00 registration fee, which will be deducted from the residence charge as the latter will NOT be paid for by D.V.A.

SCHOLARSHIPS

The following scholarships are offered for the 1961 Session:

1.—ONE *Province of Quebec Scholarship* of $175.00 (Can.), open only to Canadian citizens who teach French in an English-speaking High School in Canada.

2.—SIX *French Government Scholarships* of $100.00 (Can.) each, open to Canadian citizens, undergraduate or graduate students.

3.—FIVE *French Summer School Scholarships* of $150.00 (Can.) each, open to all students.

All applications for scholarships must be made on a Special Form obtainable from the School Secretary.

The completed Application for Scholarship Form should reach the School *before 20 May*, 1961. It will be processed after receipt of:

(a) the application for admission blank.

(b) the registration fee of $25.00 (Can.)—(refundable).

(c) TWO letters of recommendation, which should be mailed direct to the Director of the School by the student's sponsors.

(d) an official transcript of College or University grades.

Scholarship winners will be notified on or before 5 June 1961.

N.B.: Scholarship holders are required to be full-time students, to reside at the French House, and to take final examinations.

FINAL EXAMINATIONS

A final examination is held in each course at the end of the session. Students are strongly recommended to take the final examinations, which are open to partial as well as to full-time students.

Students who fail to write examinations receive no marks, and their work and progress at the School cannot be assessed formally.

No substitute examinations can be arranged in any circumstances whatever.

THE FRENCH SUMMER SCHOOL CERTIFICATE

Full-time students who take and pass final examinations in ALL the courses in which they are registered are awarded the FRENCH SUMMER SCHOOL CERTIFICATE at the School Closing Exercises.

The CERTIFICATE is a document bearing the signatures of the Dean of the Faculty of Arts and Science, the Registrar of the University, and the Director of the School. It is a record of the courses taken and the grades obtained in the final examinations.

In order to qualify for the Certificate:

Students in *Section B* must take and pass 5 examinations (4 if they they take Course 25—From Book to Stage).

Students in *Section C* must take and pass 5 examinations.

A First Class Certificate is awarded for results averaging not less than 80%.

A Second Class Certificate is awarded for results averaging between 79% and 65%.

A Third Class Certificate is awarded for results averaging between 64% and 50%.

STATEMENTS OF EXAMINATION RESULTS

Students failing to qualify for a CERTIFICATE (either because they took less than the prescribed number of examinations, or because they failed in one or more examinations) receive a STATEMENT OF EXAMINATION RESULTS. This is a document signed by the Director of the School which lists the examinations passed by a student. Failures are not listed.

ACADEMIC CREDITS

Credits may be transferred from the French Summer School to other institutions, usually on the basis of one semester hour for each course taken.

Application for transfer of credits should be addressed to the Registrar of the University, who will forward an official transcript of French Summer School grades on payment of a fee of $1.00. Students who intend to apply such credits towards a degree are recommended to obtain the consent of their own institution to the transfer of French Summer School credits before joining the School.

ACADEMIC CREDIT FOR McGILL STUDENTS

McGill students in the B.A. course, may, in certain circumstances, and by taking a prescribed set of French Summer School courses, obtain credit for a First or a Second year French course taken during the regular session in the Faculty of Arts and Science.

McGill students wishing to avail themselves of this privilege *must*, before completing registration, consult the Director of the School and the Assistant Dean of the Faculty of Arts and Science. Their approval of each student's programme is necessary for any course taken for credit.

THE FRENCH HOUSE

The residence used as a French House will be DOUGLAS HALL (postal address—3851 University St.).

Douglas Hall is a handsome stone residence of modern design, consisting of eight adjoining "houses" opening on a tree-shaded lawn, in the style of an English country house. It is pleasantly cool in the summer and adjoins playing fields and a large public park. It contains among other amenities a stately Tudor dining-hall, a spacious common-room, a library, and games rooms.

Men and women students will be accommodated in different "houses." They will have single study-bedrooms. The latter are grouped in suites of three or five, each suite having its own sitting-room.

There are a few double rooms. These will be allotted last unless specially requested, and no reduction of residence fee will be made to their occupants.

All rooms are completely furnished. Linen, towels, and blankets are provided.

Meals (breakfast, luncheon, and dinner) are served on the cafeteria system every day, including Sunday, and are under the supervision of a qualified dietitian.

All members of the Staff are in residence and associate freely with students at meals, in the Common Rooms, and in extra-curricular activities. This constant, helpful, and friendly relationship between students and Staff is one of the most valued features of the School and the benefits derived by the students from such informal education cannot be too strongly emphasized.

HEALTH SERVICE

Students in residence in the French House will have the benefit of the University Health Service for counselling and guidance. For emergencies recourse can be had to the Royal Victoria Hospital clinic which adjoins Douglas Hall. Referral to a private physician for other treatment will be arranged but the School cannot assume any responsibility for medical treatment.

In case of illness, the student concerned will be required to pay his medical and hospital fees.

CARS

Owing to parking problems and the congestion of traffic in Montreal, students are advised not to bring their cars to the School.

NO STUDENT PARKING WILL BE PERMITTED ON THE UNIVERSITY CAMPUS AT ANY TIME.

Limited parking space (available to Staff and students in residence, *at their own risk*) will be found on the terrace fronting on Douglas Hall. Use of this space will require PARKING PERMITS which the School will supply after Registration has been completed.

ARRANGEMENTS FOR STUDY AND RECREATION

Regular lecture classes are held in the Arts Building, in the centre of the University campus.

The mornings are devoted to lectures from 9 A.M. to 1 P.M. Students are required to attend all the lectures for which they have registered.

The afternoons are free for private study and recreation. However, students should attend:

The *French Song Groups*, under Mlle Maryvonne Kendergi, which will meet twice a week, on Monday and Wednesday, in the Common Room at 2 P.M.

During the evenings there will be:

EACH WEEK: A special lecture
A concert of recorded French music
A showing of French movies

DURING THE SESSION: A students' concert
A treasure-hunt
Three evenings of French dramatics

In the Library, students find daily and weekly newspapers from French-speaking countries.

A TV set in the Common Room enables them to watch the excellent programmes from the French Television Network in Montreal.

The "Festival de Montréal" begins during the session. Every summer French plays are performed by the best professional Montreal companies.

In addition, the City of Montreal offers a number of popular attractions, such as the weekly open-air "Concerts Symphoniques" given in the evening on Mount Royal, and scores of French restaurants and motion-picture theatres.

The swimming-pool in the Sir Arthur Currie Memorial gymnasium is available daily upon payment of a nominal fee. (N.B.: Bathing suits made of woollen materials are prohibited.)

Those who wish to attend religious services with a French congregation will find both Protestant and Roman Catholic churches within easy walking distance of Douglas Hall.

USE OF FRENCH

Since the French Summer School aims at creating and preserving the spirit and the atmosphere of a French University best suited to needs of originally English-speaking students, it is natural that French should be the language spoken, to the exclusion of all others.

THE EXCLUSIVE USE OF FRENCH *AT ALL TIMES*, IN AND OUT OF CLASS, AND ESPECIALLY IN THE FRENCH HOUSE, IS THEREFORE *ABSOLUTELY COMPULSORY*.

When applying for admission, students pledge themselves to the *No English Rule* for the duration of the session. This rule will come into force immediately after the conclusion of the Opening Exercises, on 27 June. The rule means that students are in honour bound to speak French when conversing among themselves as well as when talking to the teaching Staff. It should not even be necessary to depart from the rule when visiting or shopping in Montreal where French is understood everywhere, and spoken by two-thirds of the population.

The rule may be relaxed in special cases only (illness, visits from and to relatives, or when matters of special importance must be attended to urgently).

The co-operation of all students is expected in maintaining the *No English Rule*. Those who may be doubtful about their ability to keep it strictly should remember that the effort required of them will be less and less as the Session progresses. They should bring with them such helps as vocabularies, conversation books, and pocket dictionaries, which will be very useful for the first few days. However, they will soon find that they can dispense with them. As their command of spoken French improves rapidly, they will experience a feeling of achievement, and the greater their enthusiastic adherence to the Rule, the better and quicker their progress.

Students should, in their own interest, refrain from reading English newspapers (seven French newspapers are published in Montreal and French newspapers are received by air-mail from France every day), and from listening to radio broadcasts in English (there are five French-speaking radio stations and one French-speaking TV station in Montreal).

Any student who persists in breaking the *No English Rule* will be brought before the Dean of the Faculty of Arts and Science, who may dismiss him from the School.

TELEPHONES

As telephone calls practically always involve the use of English, resident students are NOT permitted to have private telephones installed in their rooms.

The telephones in the Porter's lodge are strictly out of bounds to students.

A public telephone cabin is at the disposal of students in the basement of Douglas Hall—but the *No English* rule applies there too. Resident students who have to call non-French speakers will do so *outside* the residence. Students would be well advised to ask their parents not to call them at Douglas Hall, except in emergencies.

VISITORS

Students are NOT permitted to entertain in Douglas Hall friends who cannot speak French. In any case visitors are restricted to the Common room, Dining room and grounds. They are not allowed to visit students in their suites. This rule can be relaxed only in the case of students' fathers and/or mothers, on the first and last days of the Session.

REDUCED RAILWAY FARES

Arrangements have been made whereby students may obtain reduced fares from all points in Canada. Students wishing to avail themselves of

this reduction should buy a one-way ticket and obtain *at the same time* a "Standard Certificate." This certificate must then be signed by the Director of the School. On presenting it at the Montreal railway ticket office, students may obtain a return coupon at the reduced fare (one-third of the cost of a one-way ticket).

U.S. students from the Great Lakes area will find it advantageous to break their journey at the Canadian border so that they may avail themselves of the reduced fare for the remainder of their passage to and from Montreal.

BAGGAGE

The following is an extract from a memorandum (Series D, No. 12, Supplement No. 1, 15th January, 1936) of the Department of National Revenue, Customs Division:

"Radios, phonographs, musical instruments and other effects for personal and sporting use, not ordinarily entitled to entry free of duty as travellers' baggage, may be admitted without payment of duty and without deposit provided they are reported to the Customs Office and provided that these articles are imported for the use of the students themselves and will be exported under Customs supervision immediately after the closing of the School."

IMMIGRATION REQUIREMENTS

Students who are not residents of Canada should bring with them for presentation to Canadian Immigration officers their *Letter of Admission* to the 1961 session.

United States citizens should carry some documents of identification such as old passports, birth or baptismal certificates, tax bills, and similar papers in order to facilitate their return to their country.

Students who are citizens of the United States by naturalization should carry their naturalization certificates, and those who have not acquired such status should present evidence that they are legally in the United States and that they will be allowed to re-enter that country after their temporary stay in Canada.

BANKING ARRANGEMENTS

It is recommended to out-of-town students that they bring letters of credit or use traveller's cheques, rather than draw ordinary cheques on their home banks.

COURSES OF INSTRUCTION

SECTION A

Section A (*Introductory*) will not be offered in 1961.

SECTION B

Students wishing to qualify for the Certificate must take not less than five courses and include in their curriculum not less than two courses in Language (one of which must be Course 10 or Course 11 or Course 12) and not less than two courses in Literature and Civilization. Students taking Course 25 should note that it is a *double course* (i.e. one Language and one Literature). Students enrolled in *Section B* may take 1 course in *Section C*.

LANGUAGE COURSES

Courses will be given at different hours to allow a greater number of students to fit them into their individual time-tables.

10. COMPOSITION AND TRANSLATION

The purpose of this course is to review grammar whenever the opportunity occurs and to develop accuracy in the use of vocabulary and correctness in syntax by means of graded exercises, short compositions, and translations into French.

Mon., Wed., Fri. at 9.	*M. Romer*
at 10.	*M. Jackson*
at 11.	*Mlle Champigneul*

11. FREE COMPOSITION

The aim of this course is to develop fluency in written French by practising the forms of writing which students are most likely to need: letters, summaries, reports, essays, etc.

Tues., Thurs., Sat. at 9.	*Mlle LaMothe*
at 10.	*Mlle Reverchon*

12. ORAL PRACTICE IN SELF-EXPRESSION

This course will consist of prepared discussions on assigned subjects with special emphasis on correct sentence building and on accuracy in the use of an idiomatic vocabulary.

Tues., Thurs., Sat. at 9. *Mlle Champigneul*
at 10. *Mlle La Mothe*
at 11. *M. Romer*
at 12. *Mme Kushner*

13. PRENCH PHONETICS

An elementary but attractive study of French sounds and of their rendering in the symbols of the International Phonetic Alphabet. The course will include periods of intensive practice in the afternoons when correction of individual speech defects will be given special attention. Students will have at their disposal up-to-date phonetic equipment and recording machines of various types.

Mimeographed material will be supplied and phonograph records for this course will be available at the Practice Laboratory.

Tues., Thurs., Sat. at 9. *Mlle Férault*
at 10. *Mlle Férault*
at 11. *M. Jackson*

14. DICTION

This course aims at a better appreciation of the aesthetic qualities of French used orally in prose and in verse. It will feature a number of special exercises designed to correct defects in pronunciation and intonation.

Mimeographed material will be supplied and phonograph records for this course will be available at the Practice Laboratory.

Mon., Wed., Fri. at 9. *M. Mentha*
at 10. *Mlle La Mothe*
at 11. *M. Rabotin*

15. EXPLICATION DE TEXTES

This course is an introduction to the analytic French approach to the detailed study of literature. The method will be demonstrated and practised on selected passages of high literary and artistic quality. As the course bridges the gap between language and literature courses, College students majoring in French will find it both helpful and stimulating.

Mon., Wed., Fri. at 9. *Mlle Reverchon*
at 10. *M. Rabotin*
at 11. *Mlle La Mothe*

LITERATURE AND CIVILIZATION COURSES

20. AN INTRODUCTION TO FRENCH POETRY

Thoughtful appreciation of French poetry is the keynote of this course. The student will discover the structure of French poetical expression, the quality of its symbolism and the variety of its themes. He will learn to analyze the elements of a poem. Rather than an end in itself, such analysis will be the means of probing the relationship between harmony and thought in French poetry: a rewarding and lively search for the individual poet's conception of beauty.

The following book will be used:

The Penguin Book of French Verse.

Mon., Wed., Fri. at 9. *Mme Kushner*

21. CORNEILLE AND RACINE

Not only did the seventeenth century French theater perfectly express the moral and artistic ideals of its age, but it also deeply influenced the growth of European literature as a whole. It thus stands out at the very core of our Classical tradition, and any serious student of the Humanities should be intimately acquainted with Corneille and Racine. Both deserve careful reading and leisurely re-reading: the reward in literary enjoyment will be a rich one.

Texts: Corneille, *Le Cid, Horace, Polyeucte;* Racine, *Andromaque, Britannicus, Phèdre* (Classiques Larousse).

Mon., Wed., Fri. at 10. *M. Mentha*

22. THE FRENCH COMEDY IN THE 18TH CENTURY

This course will provide a survey of comedy from 1700 to 1789. The Age of Enlightenment was extremely fond of the Theatre, and the latter faithfully reflects the changing tastes of the period, including both a cynically refined attitude toward love and a growing concern over social and moral problems.

Among the many interesting productions of the century, the following have been selected for special study:

Regnard:	*Le Légataire universel*
Lesage:	*Turcaret*
Marivaux:	*La Double inconstance,* *Le Jeu de l'amour et du hasard*
Beaumarchais:	*Le Barbier de Séville, Le Mariage de Figaro* (Classiques Larousse).

Mon., Wed., Fri., at 10. *Mme Touren-Furness*

23. THE POETRY OF THE ROMANTIC PERIOD

The works of the French Romantic poets, though no longer judged as revolutionary or as pre-eminent as formerly, must remain, thanks to the brilliance of their imagery and the accessibility of their content, the normal point of departure for students making their first acquaintance with French verse. Apart from a necessary minimum of historical and bibliographical information, the course will be devoted to the understanding and (it is hoped) the enjoyment of the poems themselves.

Text: H. E. Berton, *Nine French Poets* (1820-1880), (Macmillan).

Mon., Wed., Fri. at 9.

M. Jackson

24. FIVE CONTEMPORARY FRENCH NOVELS

Five great novels from the 20th century will be read and discussed in this course. Each of the works selected illustrates one of the characteristics of the French contemporary novel.

The following novels will be read:

François Mauriac:	*Le Désert de l'amour* (Grasset)
André Malraux:	*La Condition humaine* (Gallimard)
Antoine de Saint-Exupéry:	*Terre des hommes* (Gallimard)
Henri Bosco:	*Le Mas Théotime* (Gallimard)
Hervé Bazin:	*Vipère au poing* (Grasset)

Tues., Thurs., Sat. at 9.

Mlle Reverchon

25. FROM BOOK TO STAGE (Double course)

This course features 7 plays, 4 classical and 3 modern. Course time will be equally divided between literary analysis of the texts in the lecture-room and practical work with the texts on the stage. In practice, emphasis will be placed on correct elocution and recording of well-known French actors will be used for demonstration purposes.

Students taking this course will be expected to take part in the final dramatic production of the School and to attend rehearsals as necessary, in the afternoons and evenings. No previous acting experience is required, but a measure of enthusiasm for the theatre and willingness to learn a part are prerequisites.

This course, which carries double credit, is the equivalent of one single *language* and one single *literature* course.

The plays studied will be:

Molière:	*Le Malade imaginaire*
	Tartuffe
Beaumarchais:	*Le Barbier de Séville*
A. de Musset:	*On ne saurait penser à tout*
J. Romains:	*Knock*
M. Pagnol:	*Marius*
J. Anouilh:	*La Répétition ou l'Amour puni*

Tues., Thurs., Sat., at 11. Lecture. *Mlle Calo*
at 2 p.m. Practice.

26. LITERATURE AS A MIRROR OF CIVILIZATION

A study of literary passages in connection with their historical, political, philosophical, and social backgrounds. This course will throw light on the literary trends of different periods from the 17th century to our day by situating them in the general atmosphere of the time.

Text: Duby et Mandrou, *Histoire de la civilisation française*, tome second: XVIIe - XXe siècles (Armand Colin).

Tues., Thurs., Sat., at 10. *M. Rabotin*

27. POLITICAL, SOCIAL AND ECONOMIC PROBLEMS IN FRANCE TO-DAY

This course, open to those students of Section B who are sufficiently fluent in French, will deal with the following topics:

The Constitution of 1958 and institutions based on it—Political parties and trends—General de Gaulle—Foreign policy—The Algerian situation—Demographic structure and its consequences—New sources of energy and technological advances (oil, gas, and atomic power).

Ample mimeographed material and bibliographical references will be supplied as a convenient memento of facts and figures, and as an aid to assimilation of specialized terminology.

(*This course is open also to Section C students.*)

Tues., Thurs., Sat. at 10. *M. Romer*

28. THE PLASTIC ARTS IN CONTEMPORARY FRANCE (1900-1960).

From the end of Romanticism to the present day, painting, sculpture, and architecture seem to have undergone more changes than in any equivalent period of the history of French art. From Manet to Manessier

and Riopelle, from Rodin to Germaine Richier, from the Palais Garnier (the Paris Opera) to the UNESCO building, it will be of interest to observe how, in less than a century, art has advanced to the point of conquering its total freedom.

Particular attention will be paid to the *Paris School*, rendered illustrious since the beginning of the century by the many foreign artists who have found in France a stimulus and an inspiration that have led them to their permanent establishment there, or induced them constantly to return as to a source of creative power.

Visual material will be used.

(*This course is open also to Section C students.*)

Mon., Wed., Fri. at 11:15.
(Douglas Hall Common Room) *Mlle Kendergi*

29. FRENCH MUSIC IN THE 20TH CENTURY: FROM DEBUSSY'S IMPRESSIONISM TO ELECTRONIC MUSIC (1900-1960)

This course is designed to acquaint students with one of the most stimulating aspects of France's contribution to the artistic expression of our age. Music, as a means of communication, knows no frontiers, but it is, none the less, deeply rooted in its country of origin. The humanistic concern, which is the hallmark of French culture, runs through the changing musical styles of the present century, from Claude Debussy to Olivier Messiaen and Pierre Boulez, giving them a unity of purpose which transcends their differences in form.

A number of non-French composers who found in post-war Paris the atmosphere and inspiration necessary to artistic creation will join the gallery of French-born musicians under review.

(*Open to Section C students, with permission of the Director.*)

Text: Claude Rostand, *La musique française contemporaine* (Collection *Que sais-je*—Presses Universitaires de France).

Readings: Norbert Dufourcq: *La musique française* (Larousse).

Mon., Wed., Fri. at 12:15.
(Douglas Hall Common Room) *Mlle Kendergi*

SECTION C

Students wishing to qualify for the Certificate must take not less than *five* courses.

M.A. students must take certain courses listed on pages 4038 and 4039.

LANGUAGE COURSES

30. FRENCH STYLISTICS

While stylistics is a relatively new province of the vast field of linguistics, experience has shown that students of graduate calibre desirous of writing French with better than textbook accuracy derive great benefit from a serious study of it.

The complexity of the subject would however make a survey of it comparatively useless. Details must be gone into and, for that reason, the substance of the course has been evenly divided between 30(a) and 30(b), both of them full courses offered in alternate years.

30(a) dealing with homonymy, synonymy, comparisons, images, the uses of various figures of speech, and the syntax of informal French, is offered in 1961, and will again appear on the programme of 1963.

30(b)—given in 1960 and to be offered again in 1962—includes a review of the "levels of speech" and an analysis of the means devised by creative writers to clothe their ideas and feelings in a truly artistic and literary garb.

This is a compulsory course for M.A. students. They are required to take both 30(a) and 30(b) over two separate years.

Tues., Thurs., Sat. at 9. *M. Mentha*

31. ADVANCED COMPOSITION

An intensive seminar in translation from English into French. The passages translated are taken from modern English and American writers. Written work is assigned for each class and will be individually corrected. The size of the class is limited.

Mon., Wed., Fri. at 10. *Mlle Reverchon*

32. ADVANCED PHONETICS

This course is open to students who have passed course 13 or its equivalent.

Review of the formation of French sounds and the laws governing their occurrence. Dynamics of speech (vocal harmony, assimilation, rhythms, and patterns of intonation).

This course will include the study of texts ranging from everyday familiar French to academic discourse and poetry, in order to bring out the phonetic features of the different levels of speech.

The course is recommended to teachers of French.

Phonograph records for this course will be available at the Practice Laboratory.

Mon., Wed., Fri. at 11.

M. Rigault

33. ADVANCED ORAL PRACTICE IN SELF-EXPRESSION

This course attempts the final step to proficiency in oral French. It is designed to give students confidence in their ability to mix with French-speaking people in every walk of life. They will practise expressing their own views to individuals and groups by means of debates and panel-discussions covering a wide variety of situations.

Mon., Wed., Fri. at 12.

Mlle Champigneul

COURSES IN LITERATURE AND CULTURE

40. MOLIÈRE

Après trois siècles, le rire de Molière a conservé toute sa fraîcheur, sa satire est restée aussi pleine de vigueur et son bon sens demeure toujours vrai. Molière est sans aucun doute l'auteur classique français qu'on lit et qu'on voit jouer avec le plus de plaisir.

Le cours présentera la vie et étudiera la philosophie et l'art de cet auteur dramatique, grand comédien, directeur de troupe et metteur en scène. Les enregistrements sur disques des principales comédies seront à la disposition des étudiants.

Au programme: *L'Avare, Le Bourgeois gentilhomme, L'Ecole des femmes, Les Fourberies de Scapin, Le Misanthrope, Les Précieuses ridicules, Le Tartuffe* (Classiques Larousse).

Mon., Wed., Fri. at 9.

Mme Touren-Furness

41. MAURIAC ET BERNANOS

Chrétiens ardents et angoissés, ces deux grands romanciers s'attachent, comme Pascal, à illustrer la misère de la créature humaine privée de Dieu. Mauriac explore les recoins les plus sombres de l'âme pêcheresse tandis que Bernanos peint en termes fulgurants le combat de l'homme aux prises avec les forces du mal.

Nous nous proposons de mettre en relief leurs qualités d'écrivain, leur apport dans le domaine du roman qu'ils ouvrent tout grand aux réalités spirituelles et leur rôle dans le renouveau chrétien en France au XXe siècle.

Le programme de lecture comprendra:

Mauriac: *Le Baiser au lépreux, Génitrix, Le Noeud de vipères* (Grasset);

Bernanos: *Sous le soleil de Satan, Le Journal d'un curé de campagne* (Plon).

Tues., Thurs., Sat. at 10. *Mlle Champigneul*

42. POÉSIE FRANÇAISE CONTEMPORAINE

Le lecteur moderne manifeste peu de patience à l'égard de la poésie contemporaine car elle lui apparaît comme le moins accessible des genres littéraires. Il n'a pas entièrement tort: les poètes aux-mêmes n'ont pas été sans créer autour de leur art un certain climat d'ésotérisme. Plutôt que de nous refuser à entrer avec eux dans cette ambiance un peu secrète qui n'est peut-être qu'un appel à notre puissance de rêve, apprenons à déceler dans chaque poétique nouvelle la volonté de création qui l'anime, tentons de partager avec tel grand poète sa vision intérieure, et nous découvrirons que la poésie est souvent le lieu d'une présence: celle d'un homme à la fois sensible, lucide et conscient de la valeur des mots, à l'histoire de notre temps.

C'est cette solidarité profonde du poète et de son temps que l'on se propose de mettre en relief, sans oublier que les très grandes oeuvres ajoutent à leur valeur de témoignage d'autres valeurs esthétiques et spirituelles qui sont de tous les temps.

Les étudiants devront lire au moins six des oeuvres suivantes:

Apollinaire:	*Alcools* (Gallimard)
Péguy:	*Le Mystère du porche de la deuxième vertu* (Gallimard)
Valéry	*Poésies* (Gallimard)
Claudel:	*Cinq grandes Odes* (Gallimard)
Supervielle:	*Choix de poèmes* (Gallimard)
Saint-John Perse:	*Oeuvre poétique I* (Gallimard)
Michaux:	*L'espace du dedans* (Gallimard)
Eluard:	*Choix de poèmes* (Gallimard)
Aragon:	*Le Crève-Coeur* (Gallimard) ou *Les yeux d'Elsa* (Cahiers du Rhône, réédité par Seghers)

René Char: *Prose et poésie* (Gallimard)
Robert Desnos: *Domaine public* (Gallimard)
O.V. de L. Milosz: choix de textes dans *Milosz* (Seghers)
Pierre Jean Jouve: choix de textes dans *Pierre Jean Jouve* (Seghers)
Pierre Emmanuel *Babel* (Desclée de Brouwer) ou *Versant de l'âge* (éd. du Seuil).

Tues., Thurs., Sat. at 11.

Mme Kushner

43. QUELQUES MUSICIENS CONTEMPORAINS ET LEURS POÈTES

"Baudelaire n'est plus du Baudelaire, même dans l'esprit du musicien qui l'a le plus respectueusement assimilé: Duparc. Fauré se moque bien de Verlaine . . . La musique ne gagne rien à s'emparer d'une trop belle poésie se suffisant à elle-même" (Stanislas Fumet).

"Il y a, entre le besoin humain de poésie et le besoin de musique humaine quelque chose comme une coïncidence, comme une consonance. Le compositeur de mélodies se donne pour tâche de faire valoir les beautés d'un poème, d'en refléter l'âme, d'en traduire le sens" (Raymond Schwob).

Par l'étude d'oeuvres marquantes de ce "mariage ingrat," on verra, d'une part si la musique tue le poème ou lui donne une dimension nouvelle; d'autre part, comment, en notre XXe siècle, les oeuvres lyriques mettent en musique des textes authentiquement littéraires.

Parmi les auteurs et oeuvres au programme:

—*poèmes mis en musique:* Baudelaire, par Duparc; Verlaine, par Fauré; Apollinaire et Eluard, par Poulenc; Mallarmé, Michaux, René Char, par Boulez, etc. . .

—*oeuvres lyriques:* *L'Enfant et les sortillèges* (Colette-Ravel)
Jeanne au bûcher (Claudel-Honegger)
Christophe Colomb (Claudel-Milhaud)
Dialogue des Carmélites (Bernanos-Poulenc)
La voix humaine (Cocteau-Poulenc), etc. . .

Tues., Thurs., Sat. at 12:15.

Mlle Kendergi

(Douglas Hall Common Room)

SPECIALIZED COURSES

50. FRENCH IN TODAY'S DIPLOMACY AND PROTOCOL

This specialized course is offered to students interested in careers with the Foreign Services of their own countries or with International Organizations. It will also be useful to anyone dealing with international meetings, conventions, etc., and, in general, with social contacts on an international level.

As fourteen new French-speaking African nations have recently been admitted to the United Nations Organization, the use of French in official and unofficial inter-state contacts has again been considerably expanded.

The course is open to students admitted, or admissible, to Section C of the French Summer School. With permission of the Instructor, however, students admitted, or admissible to Section B, may also be allowed to enrol, provided they have attained a sufficient degree of fluency in spoken, and correctness in written French. With same proviso, partial students may take this course as a separate unit.

Students whose French needs brushing-up are advised to take one or two language courses in conjunction with Course 50. Recommended courses are: in *Section B:* 10 (Translation), 11 (French Composition) and 12 (Oral Practice in Self-Expression); in *Section C:* 30 (Stylistics) and 31 (Advanced Composition).

Full-time students may include this course in the five-course programme required to qualify for the French Summer School Certificate.

Partial students who take and pass the final examination will receive a Statement to that effect.

The course will cover the following matters: Diplomatic language; order of precedence; causes and effects of the changing aspects of modern diplomacy; techniques of oral and written communications; style and terminology used in diplomacy and in international organizations both inter- and non-governmental; problems of technical semantics and administrative formulae.

Illustrations for the course will be drawn from current practice and recent history.

Documentation has been specially collected over the post-war years from the Secretariats of the United Nations Organization and its specialized Agencies, and from the Ministries or Departments of Foreign or External Affairs of Belgium, Canada, France, Switzerland and other countries.

Students intending to take this course are advised to register well in advance, as class enrolment will be limited to 20.

M. Romer

Mon., Wed., Fri. at 10.

51. APPLIED LINGUISTICS FOR TEACHERS OF FRENCH

This course will analyze and discuss some significant trends in the field of linguistics and their possible applications to the teaching of French.

The following points will be stressed: Spoken French vs. written French? Structure of the French language: patterns of sounds, of words, of phrases and sentences. The grammar of spoken French. Basic French vocabulary. Comparison of structural patterns in French and in English.

This course is open to students qualified to enter the Intermediate or Advanced Section.

Mon., Wed., Fri. at 12.

Mlle Férault
M. Rigault

TEXTBOOKS

In order that students may do some reading in advance, titles of books to be discussed in literary courses are indicated in the course description.

However, the titles of the TEXTBOOKS which students will be *required* to purchase for language and civilization courses are NOT listed.

All TEXTBOOKS published on this continent will be found at the University Book Store. Arrangements have been made for all TEXTBOOKS printed in France to be available at another Bookshop opposite the Campus.

List of TEXTBOOKS will be distributed to students on Registration Day.

All students should bring with them the grammars and dictionaries with which they are familiar.

REGULATIONS FOR THE MASTER OF ARTS DEGREE

1. All work carried on towards an M.A. degree in the French Summer School is under the control and supervision of the Department of French in the Faculty of Graduate Studies of the University.

2. REQUIREMENTS FOR THE MASTER'S DEGREE

(a) The student must hold the degree of B.A. from McGill University, or from another institution of recognized standing, with at least second class Honours in French, or the equivalent of second class Honours in French as granted by McGill University—which must include the ability to speak French with some fluency and a sound knowledge of French literature from 1600 to 1950.

(b) A student, qualified as in 2(a), must complete four sessions in the Advanced Section of the French Summer School with at least second class standing in the final examinations of each session (i.e. the pass mark for M.A. students is 65%).

(c) The student must prepare and present a thesis, written in French, which must be in some measure a contribution to knowledge. Its preparation is carried out under the direction of the French Department.

3. Students applying for admission to the *Section C* of the Summer School, with the intention of proceeding towards the M.A. degree, should, as soon as possible, have a transcript of their academic record sent for appraisal to the Director of the School.

Students whose records are considered to be the equivalent of the B.A. degree with at least second class Honours in French as granted by McGill University will be notified of their eligibility for future admission to the Faculty of Graduate Studies of the University. At the end of their second session they will be required to register in that Faculty as candidates for the M.A. degree, provided that they have completed the course requirements for the first two sessions.

Students who hold a B.A. degree but whose records are not considered to be the equivalent of the McGill B.A. with at least second class Honours in French may be allowed to make up the deficiency by taking more courses during their third and fourth summer sessions.

M.A. students will not be required to re-register in the Graduate Faculty at the end of the third Summer Session, but will do so at the end of the fourth.

4. In the case of students of Honours standing, the first summer session consists of five courses, the second of four courses, the third of three courses, and the fourth of two courses, each course consisting of three lectures per week. The decreasing number of courses through the four sessions enables the student to devote more time to the preparation of his thesis, which must begin in the third session. Each student works under the guidance of a director of research who is a member of the Summer School Staff. The only listed course which may be taken for credit in more than one session is 31, Advanced Composition (see below).

Students may be required to take certain courses which are changed from year to year, and in any case:

30. FRENCH STYLISTICS. Students are advised to take 30(a) during their first or second session, and 30(b) during their third or fourth.

31. ADVANCED COMPOSITION. A minimum mark of 65% must be obtained in the final examination of this course, and the course must be repeated until this requirement has been met. As its material is varied each year, it can be taken a second summer for credit. If taken more than twice, it must then be carried as an extra course.

5. With the approval of the Graduate Faculty, one of the summer sessions, except the first, may be replaced by equivalent work in France or at another French Summer School.

FEES FOR M.A. STUDENTS

1. SCHOOL FEES.

M.A. candidates pay the full sessional fee of $335 (registration, tuition, room, and board) or $175 (registration and tuition only) for each summer session during which they take courses.

M.A. candidates who have completed the courses required for the degree but have not completed the thesis, and are attending colloquia, will be charged at the rate for a single regular course.

2. UNIVERSITY FEES.

The University fee for the M.A. degree is $500. A credit of $122.50 is allowed for each session a student spends in *Section C* of the French Summer School. Thus a student who has attended four sessions will be required to pay only $10.00 when he registers at the office of the Dean of the Faculty of Graduate Studies at the end of his fourth session. If the presentation of the thesis is postponed beyond the May following this registration, the student will pay an additional registration fee of $10.00 at the beginning of the session in which the thesis is to be presented, Students who obtain their M.A. degree via the French Summer School are excused the "in absentia" fee.

TIMETABLE

Time	SECTION B		SECTION C	
	Monday-Wednesday Friday	Tuesday-Thursday Saturday	Monday-Wednesday Friday	Tuesday-Thursday Saturday
9	10(a) Composition and Translation 14(a) Diction 15(a) Explication de textes 20. An Introduction to French Poetry 23. The Poetry of the Romantic Period	11(a) Free Composition 12(a) Oral practice in self-expression 13(a) Phonetics 24. Five Contemporary French Novels	40. Molière	30. Stylistics
10	10(b) Composition and Translation 14(b) Diction 15(b) Explication de textes 21. Corneille et Racine 22. The French Comedy the 18th Century	11(b) Free Composition 12(b) Oral practice in self-expression 13(b) Phonetics 26. Literature as a mirror of civilization 27. Political, social and economic problems in France to-day	31. Advanced Composition 50. French in to-day's Diplomacy and Protocol	41. Mauriac et Bernanos
11	10(c) Composition and Translation 14(c) Diction 15(c) Explication de textes 28. The Plastic Arts in Contemporary France (D.H.)	12(c) Oral practice in self-expression 13(c) Phonetics 25. From Book to Stage	32. Advanced Phonetics	42. Poésie française contemporaine
12	29. French Music in the 20th Century (D.H.)	12(d) Oral practice in self-expression	33. Advanced oral practice 51. Applied Linguistics for Teachers of French	43. Quelques musiciens contemporains et leurs poètes (D.H.)
2 (D.H.)	Chansons Françaises	25. From Book to Stage (Practice)	Chansons Françaises	

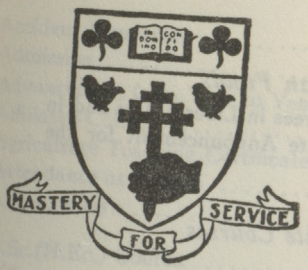
PERSONAL TIMETABLE

Course No.	Day and Time	Class Room No.	Instructor

CONVERSATION GROUPS OFTEN PREFER TO MEET ON THE LAWN
(In the background the new University Library)

EVERYBODY SINGS!
(One of the French song groups in afternoon session.)

Macdonald College



McGill University

Faculty of Agriculture
School of Household Science
1961-1962

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office, McGill University, Montreal 2, Quebec.

Announcements of Faculties and Schools as follows:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce.)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture.)
Faculty of Law
Faculty of Music
Faculty of Divinity
**Faculty of Graduate Studies and Research*
**Institute of Education*
School of Commerce
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
**Macdonald College* (Faculty of Agriculture, School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution.)

The Calendar (Available for distribution only to libraries and officials of certain institutions.)

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*These Announcements are also available through the Registrar's Office, Macdonald College.

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McGILL UNIVERSITY

VISITOR

His Excellency Major-General Georges P. Vanier, D.S.O., M.C., C.D., Governor General of Canada

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(McGill University)

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SCHOOL OF HOUSEHOLD SCIENCE

The School of Household Science is under the administrative jurisdiction of the Faculty of Agriculture.

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Many officers of instruction give classes in all divisions of Macdonald College; their names appear under that division in which the major portion of their work is done.

CALENDAR FOR SESSION 1961-62

1961

August 21st, Monday ..... Supplemental examinations begin, B.Sc. (Agr.), B.Sc. (H.Ec.) courses, and the Institute of Education Academic courses.

September 6th, Wednesday..... Registration, all years, Institute of Education. Second year students report for practice teaching.

September 7th, Thursday..... Lectures begin for the Institute of Education.

September 11th, Monday..... 9 to 11 A.M. Registration for 4th year B.Sc. (H.Ec.) Teaching Option.

September 14th, Thursday..... 9 to 12 A.M. Registration Fourth year B.Sc. (Agr.) students taking Agr. Eng. 439, and Second year B.Sc. (H.Ec.). *Classes begin at 1.30 P.M.*

September 18th, Monday.....9 to 12 A.M., 2 to 4 P.M. Registration First year B.Sc. (Agr.) and B.Sc. (H.Ec.), Third year B.Sc. (Agr.)

September 19th, Tuesday, to... September 20th, Wednesday...
- Freshman Orientation Program—required of all First year students, B.Sc.(Agr.), B.Sc. (H.Ec.).
- Agriculture 300a begins—required of all Third year B.Sc.(Agr.) students.

September 20th, Wednesday.....9 to 12 A.M. - 2 to 4 P.M., Registration all other years B.Sc.(Agr.), B.Sc.(H.Ec.).

September 21st, Thursday.....Lectures begin all years, Agriculture, Household Science.

October 6th, Friday.....Fall Convocation.

October 9th, Monday.....Thanksgiving Day. No classes.

October 11th, Wednesday.....Supplemental examinations begin, Diploma in Agricultural course.

October 16th, Monday.....9 to 12 A.M. Registration, Diploma in Agriculture course.

October 17th, Tuesday.....Lectures begin, Diploma in Agriculture course.

October 24th, Tuesday.....Annual Assembly, 3:45 P.M.

December 12th, Tuesday.....Last day of Lectures in first term, Agriculture and Household Science.

December 15th, Friday, to..... December 22nd, Friday, Incl. First term examination period, B.Sc.(Agr.), B.Sc.(H.Ec.).

December 16th, Saturday.....Last day of Lectures in first term, Institute of Education.

December 18th, Monday, to December 22nd, Friday, Incl. First term examination period, Institute of Education.

1962

January 3rd, Wednesday.....Second term begins, Institute of Education, Agriculture and Household Science.

February 10th, Saturday.....Macdonald College Founder's Day. (*Sir William C. Macdonald, born February 10th, 1831, died June 9th, 1917.*)

February 23rd, Friday.....Macdonald Royal. No classes.

March 21st, Wednesday.....Last day of lectures, Diploma in Agriculture.

March 22nd, Thursday.....Examinations begin, Diploma in Agriculture.

March 30th, Friday.....Graduation Exercises, Diploma in Agriculture.

April 8th, Sunday.....Baccalaureate Service, 3:00 P.M.

April 13th, Friday.....Last day of lectures, Agriculture and Household Science.

April 16th, Monday ..... Final examinations begin, B.Sc.(Agr.), B.Sc. (H.Ec.), courses and the Institute of Education Academic courses.

April 20th, Friday, to April 23rd, Monday, Incl. ..... Easter vacation.

April 30th, Monday ..... Session ends for B.Sc.(Agr.) and B.Sc.(H.Ec.) students. Last day of lectures, Institute of Education.

May 16th, Wednesday ..... Examinations begin, First year and all diploma courses, Institute of Education.

May 30th, Wednesday ..... Convocation.

June 3rd, Sunday ..... Divine Service, Institute of Education.

June 4th, Monday ..... Graduation Exercises, Institute of Education, School of Household Science.

Macdonald College

Macdonald College, which was founded and endowed by the late Sir William C. Macdonald, is incorporated with McGill University, and is situated twenty miles west of Montreal, at Ste. Anne de Bellevue, Que. It is composed of the Faculty of Agriculture, which includes the School of Household Science, and of the School for Teachers for the Protestant schools of the Province of Quebec.

FACULTY OF AGRICULTURE

The work of the agricultural departments of the College falls into three main divisions: teaching, research, and extension. Teaching and research form the major part of their work. Extension service is undertaken by departments as the need or opportunity may arise.

Information on extension work under the Macdonald College Extension Service will be found on page 4518.

SCHOOL OF HOUSEHOLD SCIENCE

The School of Household Science is an integral part of the Faculty of Agriculture. The main function of the School is teaching, both in relation to the home and for professional service in institutions.

SCHOOL FOR TEACHERS

The School for Teachers is a School of McGill University, controlled by a committee established under an agreement with the Government of the Province of Quebec. The School is under the jurisdiction of the Institute of Education and the Faculty of Arts and Science, and offers diploma courses for kindergarten, elementary, intermediate and High School teachers. Courses leading to the Bachelor of Education degree are also offered through the Institute. Information on the School for Teachers is included in the announcement of the Institute of Education, issued separately.

THE INSTITUTE OF PARASITOLOGY

The Institute of Parasitology, attached to the Faculty of Graduate Studies and Research, is located at Macdonald College. This Institute is governed by a joint committee of the National Research Council and McGill University, and has, as its main functions, the prosecution of research on animal parasites and the instruction of graduate students.

GENERAL INFORMATION

Ste. Anne de Bellevue, Que., is twenty miles west of Montreal, on the main lines of the Canadian National Railway and the Canadian Pacific Railway, and on provincial highways No. 2 and No. 17. Travellers by air book to the Montreal Airport at Dorval, which is approximately ten miles east of the College. The Anglican Church of Canada, the United Church of Canada and the Roman Catholic Church in Canada all have churches in the town. Students of all religious denominations are free to enter Macdonald College. Branches of the Bank of Montreal and of the Banque Canadienne Nationale serve the community.

The College has its own post office and mail should be addressed simply Macdonald College, Que. The address for freight and express parcels, and for telegrams, is Macdonald College, Ste. Anne de Bellevue, Que.

Key telephone numbers are: Switchboard (connecting all departments) GLendale 3-5335; Brittain Hall, GLendale 3-1828, GLendale 3-1997; Laird Hall, GLendale 3-1830, GLendale 3-1991; Stewart Hall, GLendale 3-1880, GLendale 3-1959; Harrison House, GLendale 3-4407.

FACILITIES

Sir William Macdonald planned so well for future needs that the facilities of Macdonald College for instruction in Agriculture, Home Economics and Teaching are still provided almost entirely in the buildings constructed in 1905. The picturesque brick buildings and red-tile roofs of the Chemistry, Biology, Agriculture and Main Buildings, together with Stewart, Laird and Brittain Halls (residences for women and men), and the well laid out grounds on the shore of Lake St. Louis, combine to provide a campus which is attractive and functional.

Laboratory and lecture rooms are exceptionally well supplied with modern and efficient teaching facilities, while the reference section of the Library and the research laboratories associated with the various science departments are well equipped to permit the vigorous investigation of problems connected with postgraduate studies.

The land associated with the College consists of approximately 1600 acres, at the western end of the Island of Montreal, and is largely in the Parish of Ste. Anne du Bout de l'Ile, Jacques Cartier County. The campus proper consists of about 200 acres south of the Trans Island Boulevard, and contains the Orchard, Horticulture plots and the Poultry ranges. The Stock Farm has good examples of Holstein, Ayrshire and Aberdeen Angus cattle, Cheviot sheep, and Yorkshire hogs. The Agronomy Farm includes the land devoted to the development of new varieties of crops and comparative testing of new varieties and management practices.

The College farm represents a wide variety of the soils of the Ottawa St. Lawrence Valley Lowland, with podsols, brown forest and dark-grey gleizolic (poorly drained) soils, including the Ste. Amable, St. Bernard, Rideau and Ste. Rosalie series.

The Morgan Arboretum established in 1947, has 700 acres of woodland devoted to the study of woodlot management and the place of the woodlot in the Eastern Canadian farm economy. About 100 acres have been planted in reforestation projects. In addition, the Arboretum, in spite of its short history, has Canada's best collection of examples of all Canadian and many foreign species of trees and shrubs of interest from the point of view of pulpwood, timber and landscaping.

THE MACDONALD COLLEGE LIBRARY

The library and reading room are centrally located in the Main Building, occupying the ground floor of an annex leading off the main hall. Seventy-six readers can be accommodated in the reading room, and in a series of alcoves there are reference works and textbooks on the work of the various departments.

The present stack-room has accommodation for about 25,000 volumes, which comprise the best collection of books on the various subjects included in the curriculum of the College.

The Walter M. Stewart Collection includes biography, history, travel, science, etc. This collection has been purchased through the generosity of Walter M. Stewart, of Montreal.

MACDONALD COLLEGE EXTENSION SERVICES

Departmental Services: — The services of the various departments of Macdonald College are always available for the advancement of the agricultural and home interests of the Province of Quebec. Personal interviews at the College and correspondence are invited.

Extension Service: — The College functions through the Extension Service in providing a programme primarily for rural residents. The service consists of:

Information Service. — College Departments welcome requests for information on subjects relating to Agriculture, Home Economics and Education.

A library of program materials, books, pamphlets, study outlines, etc. is available to all kinds of community organizations, as well as to individuals. The film library has a comprehensive collection of over 900 film titles, under the following subject headings: Agriculture; Citizenship and the

Community; Creative Arts; Geography and Travel; Health and Welfare; Industry and Labour; Science, Resources and Wildlife; Sociology; Sports and Recreation; Transportation and Communication; World Affairs. These films (in English) are available for educational purposes at a nominal rental. A catalogue is available upon request.

The Agricultural Fieldman provides a liaison between the College and the agronomes and farmers of the Province; organizes short courses at the College and in the country; and arranges meetings and conferences to discuss rural and farm problems.

McLennan Travelling Libraries, McGill University, offer a library service to schools and community organizations. Boxes of fifty books are loaned for four months at a moderate charge. A bookmobile serves communities south of the St. Lawrence River on a monthly schedule.

Macdonald Farm Journal, a monthly publication for English-speaking farmers dealing with matters of agricultural interest in popular articles, written by members of Macdonald College staff and other contributors.

Evening Courses in a wide variety of subjects including home gardening and landscaping, public speaking, dressmaking, music, etc., are offered to adult citizens within travelling distance of Macdonald College during the fall and winter term.

The College also co-operates with the Quebec Council of Community Programmes in supervising and assisting adult night schools in a number of English-speaking centres of the province. Courses are offered in a wide variety of subjects ranging from agriculture, cooking, sewing, and handicrafts to public speaking, dramatics, and French conversation.

For further information about these activities, write to the Extension Service, Macdonald College, P.Q.

Visits to the College from individuals or groups with a common interest in the farm, the home, or the school, are always welcomed. However, in view of the present large registration and the somewhat limited facilities, it is often regrettably necessary to curtail visits at times when the student population is largest.

Groups of fifteen or more requiring meals and/or rooms are asked to give two weeks' advance notice and to confirm the numbers in the group not later than three days before arrival. All requests for visiting privileges should be addressed to The Secretary, Macdonald College, P.Q., who will be pleased to quote rates for meals and rooms, if required.

ADMISSION

The general requirements for admission are on page 4533. Details of the admission requirements for the various courses are on pages 4538, 4596, 4607.

CLASSES OF STUDENTS

1. *Regular Undergraduates* are students with complete matriculation qualifications and who are taking the regular work of their year toward the appropriate degree or diploma.

2. *Limited Undergraduates* are students with normal entrance qualifications but who, due to ill health or other circumstances, do not fit into the regular classification of years (first, second, etc.) and who may be unable to complete their work in the normal length of time.

3. *Partial Students* are those not proceeding to a degree or diploma, including those doing a qualifying year for graduate work, or those earning credits for transfer to another faculty or institution.

4. *Conditioned Students* are those who have been promoted conditionally to the succeeding year of their course, but, as a result of a failure (or failures), have a course (or courses) of the previous year's work outstanding at the time of registration. Conditioned students must pass "final supplementals" in such outstanding courses at the next regular final examination period, i.e. in January for first term half courses, and in April for all other courses.

Conditioned students are on academic probation, and may be required to withdraw if their work continues to be unsatisfactory. Conditioned students are not eligible to hold student office.

5. *Repeating Students* are those students who, because of failures, are required to repeat their year. They are on academic probation, and may be required to withdraw if their work continues to be unsatisfactory. Repeating students are not eligible to hold student offices.

REGISTRATION

Students are required to register at the times indicated in the calendar for the course and year for which they have been accepted, and before entering residence to obtain a residence card from the Secretary's Office. Registration at a later date is permitted only to those who obtain the consent of the Dean or Director of the Faculty or School concerned.

All students entering the First year of the B.Sc.(Agr.) and of the B.Sc. (H.Ec.) course for the first time are required to register in advance of upper classmen. This period is devoted to a programme of orientation,

in which efforts are made to impress on these students the significance and consequences of their new way of life, to familiarize them with their physical and cultural surroundings, and to acquaint them with the scope of the various fields of learning at the College. Attendance at all sessions of Freshman Orientation is compulsory.

Upon registering students are required to sign the following declaration:—"I hereby accept and submit myself to the rules and regulations of Macdonald College, and of the Faculty or School thereof in which I am registered, and to any amendments thereto which may be made while I am a student of the College, and I promise to observe the same."

Students are not permitted to enter any class until they have registered.

RESIDENCE

Men students in residence live in Brittain Hall, named in honour of Dr. W. H. Brittain, Vice-principal of Macdonald College from 1935 to 1955. The residences for women are Stewart Hall named in honour of Mr. and Mrs. Walter M. Stewart, long-time friends and benefactors of the College, and Laird Hall, named in honour of the late Dr. Sinclair Laird, former Director of the School for Teachers.

Macdonald College does not have residence accommodation for all the students who enroll, and acceptance of the application for admission to a course of study does not imply that residence accommodation will be available.

Any student wishing to live in one of the College residences must apply to the Deputy Warden for residence accommodation well in advance of the opening of the session. Forms of application for residence accommodation are sent with letters of acceptance.

A deposit of $25.00 must accompany the application for accommodation. If the application is accepted the deposit will be deducted from the payment due on entrance. The College guarantees to refund the deposit if the application is refused, or is cancelled by the applicant at least three weeks prior to the date of registration for the course concerned.

All students who have been in residence during the session must apply for re-admission for the following year, and make a deposit of $25.00, before leaving at the end of the session, should they wish to have space reserved for them. This deposit will be refunded if the application is not accepted, or is cancelled by the applicant three weeks prior to the date of registration for the course in which he or she is enrolled. If the application is accepted, the deposit will be deducted from the payment due on entrance. Students in degree rather than diploma courses, women

students under the age of 21, and students from off the Island of Montreal are, in general, given preference when allocating residence space. Within this limitation, rooms are allocated on the basis of the date of application. No applications for residence are accepted until the student has been accepted academically.

It is considered an exception when undergraduates not residing with parents or guardians are allowed to live out of residence, and they may do so only with the written approval of the Dean or the Director of the School concerned.

Students who are unable to live in the College residences are referred to lists, maintained by the Registrar's Office, of available accommodation in private homes in Ste. Anne de Bellevue and the vicinity. Students rooming out may have all their meals in the College dining room and participate fully in all regular College activities.

All students, whether living in residence or not, are registered in one or other of the Halls of Residence, as well as in their respective Faculties or Schools.

Due to the necessity of accommodating conventions and short courses during the summer months, resulting in a limited time available for repairs and cleaning, no student will be admitted to residence before the date set for registration in the course for which he or she has been accepted. Exceptions to this rule will be made in the case of certain student officers whose duties require their presence before the opening date, members of the football team who have been accepted for pre-season training, students preparing for supplemental examinations and other students under exceptional circumstances by permission of the Warden.

Only students who are employed by the College may remain in residence during the summer months, and this with permission of the Warden. For the Christmas holiday period see page 4528.

Students who have reserved accommodation and who are returning early to write, or prepare for, supplemental examinations, may enter residence, by special permission, not earlier than one week before the date of their first examination. Application for early accommodation must be sent with the application for supplemental examination, before September 1st. The charge for room and board for this period will be $16.00 for a week or any part of a week.

No other student may enter residence before the date of registration. Students from a distance must not expect to be admitted early unless exceptional circumstances warrant it, and permission has been requested, and granted by the Registrar, before the student leaves home. This privilege is granted only to new students coming from a distance who are

not familiar with the Montreal area. It will not be extended to returning students in the upper classes.

Students may not invite relatives or friends to stay overnight in the residence without permission from the Warden of Residence.

For the admission of visitors to the Dining Room tickets must be purchased at the Dietitian's Office, Stewart Hall, at the Administration Office in the Main Building, or from the doorman on duty.

ROOM FURNISHINGS

Bedrooms are furnished with necessary furniture, and blankets and pillows are provided.

Each student is expected to provide his or her own laundry bag, toilet soap, drinking glass, four sheets, single bed size; two pillow covers; hand towels and bath towels; flashlight.

Students may bring rugs, pictures, etc., but are not allowed to drive tacks or nails into walls or woodwork, nor to paste pictures on the walls.

Most windows are fitted with Venetian blinds but students may bring and hang drapes where curtain cranes are provided.

Students are held responsible for the care of their rooms and of their furnishings.

Students are recommended to mark clearly, before coming to the College, all articles of wearing apparel, sheets, pillow cases, etc.

Detailed regulations are printed separately and issued to students after arrival.

CONDUCT AND DISCIPLINE

The Warden, by authority of Senate is responsible for the maintenance of discipline in each residence, but, enforcement of regulations, exaction of disciplinary measures, and regulation of conduct in and out of residence is entrusted to a House Committee for each residence, elected by the students from among their own number.

Students are obliged to inform themselves of the rules and regulations of the College. A few of them are listed below, but the main body of them will be found in the Residence Handbooks, and they apply to all students, whether living in residence, at home, or elsewhere.

Students found guilty of improper conduct, violation of rules or wilful causing of damage to persons or property, shall be liable to College

discipline which includes: limitation or denial of privileges such as participation in class or College activities and social functions, imposition of fines or assessments for damage caused by individuals or groups; imposition of conduct probation; suspension or expulsion from classes or residence; expulsion from College.

Possession or consumption of liquor by students is forbidden on the Campus, except when special permission is granted for formal functions.

Initiation or hazing in any form is forbidden.

Unauthorized entrance to Residence or College buildings is forbidden. Violation of this rule is sufficient reason for expulsion.

Gambling is not permitted on College grounds.

Tampering with fire fighting equipment is forbidden.

Students are not permitted to bring firearms into the Residences nor is the use of firearms allowed on College property.

STUDENT CARS

Students, whether living in residence or off-Campus, are permitted to park in specified places on the Campus, provided that at the beginning of each session, they apply for and are granted a Campus parking permit through the Deputy Warden's office. Permits will not be issued to students who do not carry car insurance for public liability, property damage and personal injury.

ATTENDANCE AND CONDUCT IN CLASSES

Matters of discipline connected with or arising from the general arrangement for teaching are under the jurisdiction of the Dean of the Faculty or Director of the School concerned.

Students may be admonished by a professor or instructor for dishonest or improper conduct or may be reported to the Dean or Director concerned for disciplinary action. If considered advisable, such conduct shall be reported to parents or guardians.

Punctual attendance at all classes, laboratory periods, tests, etc., is expected of all students. Absences can only be excused on the ground of necessity or illness, of which proof may be required. Special attention is called to the fact that the completion of all laboratory work is obligatory and the opportunity to make up work missed can only be provided in the case of properly excused absences.

The Faculty has the power to refuse examinations to those students who persist in absenting themselves from classes without permission.

Students are requested not to make application for additional leave either before or after holiday periods, as such leaves can only be granted in case of illness or other exceptional circumstances.

For absence from classes on the last day before or the first day following a holiday period, there will be a penalty of $3.00 for each day or part of a day.

DISCIPLINARY (OR CONDUCT) PROBATION

Any student who is unwilling to submit cheerfully to the restrictions of college life, whose conduct does not furnish satisfactory evidence of diligence and earnestness of purpose, or whose work is definitely unsatisfactory, may be placed on probation, or may be required to withdraw from the college.

Students who transgress the rules of conduct as laid down by the College authorities, or who behave in an offensive or unbecoming manner, may be placed by the Faculty on Conduct probation. Such probation will normally continue for the remaining years in College of the individual concerned. While on Conduct probation, a student is on trial, and may, for further offenses, be recommended to the Senate for expulsion, or other formal disciplinary action.

STUDENT COUNSELLING

In order to encourage a closer relationship between students and staff members than can be achieved through normal classroom contacts, a system of student counselling is in operation at the College.

At the beginning of the session each student in the First and Second years of the B.Sc.(Agr.) course is assigned, for counselling, to a staff member who is not one of his or her regular instructors. The counsellor is available for help and advice at all times throughout the session, and acts as a friend to whom the student can turn with problems, and who can act on his or her behalf when necessary. Furthermore, the counsellor, dealing as he does with a small group, acquires a better understanding of the problems of the students, and becomes sufficiently well acquainted with each student who comes to him for counselling to provide references for employment and other purposes. Department Chairmen normally act as counsellors for Third and Fourth year students.

With some modification in details, a similar system is in operation for B.Sc.(H.Ec.) students.

LEAVE OF ABSENCE

WOMEN STUDENTS

In order to avail themselves of leave privileges, women students in residence who will be under the age of 21 years when they register, must present at the beginning of the session a form signed by parent or guardian giving general permission or specifying the manner in which leaves may be spent. Forms for this purpose, and details of leave allowances, are sent to all students.

The amount of leave permitted is based on the student's year. A student is entitled to the leaves accorded those in her year only while in good academic standing. Conditioned students in the Second, Third or Fourth year have the allowances granted to the year below. After the first term examinations students with a high academic standing may apply for the leave privileges of the next higher year.

Except in cases of emergency, telephone messages or telegrams requesting leave of absence for women students will receive no consideration.

Students wishing to stay at hotels, lodges, etc., while on leave, or to go on skiing trips, are required to have the written consent of their parents to do so.

On no account shall a student be absent from college without having complied with the regulations regarding registration of leaves, or without the knowledge and consent of the Warden. Absence from College without permission is a serious offence which renders the student liable to instant suspension or dismissal. If prevented from returning after an absence, due to illness or other cause, students must advise the Warden's representative by telephone and these students must report to the Warden's office immediately upon their return.

Students are urged to have dental work attended to before entrance, though dental appointments will be allowed in cases of urgency. Appointments to visit a physician are allowed on production of a letter from the physician indicating the date and hour of the appointment.

All correspondence regarding the conduct of women students in residence should be addressed to The Director of Women's Residences, Macdonald College, P.Q.

MEN STUDENTS

All students who expect to be absent from the College should leave some record of their movements.

VISITORS

Women students in residence may receive visitors any day until 10.15 p.m. Guests may be entertained in the Reception Rooms and the Common Rooms; only parents and women friends may be shown students' bedrooms.

Women students are not permitted to visit Brittain Hall. Other women visitors may be entertained in the Reception Rooms only.

MUSIC

Music finds a place in the recreative and social activities of the College. Concerts, organ recitals, lectures, etc., will be given from time to time. It is suggested that those having musical instruments should bring them.

FEES

The College reserves the right to make changes without notice in its published scale of tuition, board and room, and other fees. Fees are not refundable except under special conditions as described below.

I. **TUITION FEES.** These fees include all the regular charges for registration, tuition, laboratories, libraries, health service, student activities, etc.

REGULAR UNDERGRADUATES

B.Sc.(Agr.) Course	$285.00
B.Sc.(H.Ec.) Course	285.00
Diploma Course in Agriculture	
(a) Children of farmers of the Province of Quebec, the Ottawa Valley in Ontario, and the Maritime Provinces	35.00
(b) All others	250.00

LIMITED UNDERGRADUATES

Per unit of instruction (1 lecture or 1 laboratory period per week per term)	25.00
(Minimum per session $100.00; maximum per session, B.Sc. (Agr.), B.Sc.(H.Ec.) $285.00; Diploma Course in Agriculture $250.00)	

PARTIAL STUDENTS

Per unit of instruction	25.00
(Minimum per session $100.00)	

II. SPECIAL FEES AND PENALTIES

Late registration (unless excused by the Dean)	5.00
Late registration after first week	10.00
Late payment (after specified date)	2.00
Conferring degree *in absentia*	10.00
Duplicate diploma	10.00
Transcript of record	1.00
Re-reading examination paper	10.00
Supplemental examination, per paper	10.00

III. STUDENT ACTIVITY FEE

There are various student activities at the College, such as the athletic associations, literary and debating society, publications, class societies, etc. which the students are expected to support. The affairs of these organizations are in the hands of the students themselves and their operations are financed from a student activity fee of $26.00 which is included in the tuition fee listed above. The student activity fee is distributed as follows: Students' Council general funds $1.50; students' recreation centre $1.00; accident insurance $2.50; student organizations $21.00.

IV. BOARD AND RESIDENCE (per session, exclusive of the Christmas holidays)

B.Sc.(Agr.) Course	$465.00
B.Sc.(H.Ec.) Course	465.00
Diploma Course in Agriculture	320.00

Students are not encouraged to remain in residence during the Christmas holidays. If, however, due to exceptional circumstances, special permission to remain in residence has been obtained from the Warden, the cost for room and board for this period will be $16.00 for a week or any part of a week.

SINGLE ROOMS

There are a few single rooms available in each residence. In the case of B.Sc.(Agr.) and B.Sc.(H.Ec.) students an additional charge of $60.00 for the session will be made for these rooms.

REGULATIONS CONCERNING PAYMENT, AND REMISSION, OF FEES

1. Fees for tuition and for board and residence are due and payable at the Accounting Office at the time of registration. A late fee of $2.00 is charged for payment after the specified dates, and no additional days of grace are allowed.

2. The College does not issue bills for fees.

3. Fees may be paid in two instalments, one at the beginning of the session, and one on January 15th following. In such case an instalment fee of $5.00 is charged. First instalment—one half of the total fees plus $2.50 instalment fee, less deposits already paid. Second instalment—balance of total fees plus $2.50 instalment fee.

More extended terms of payment may be arranged, where necessary, with the permission of the Secretary. In special cases of hardship, application may be made for financial assistance. See section on Bursaries and Loan Funds, page 4628.

4. A list of the registered students whose accounts with the Secretary are in arrears will be sent to the Dean or Director of the Faculty or School concerned, on receipt of which the Dean or Director shall suspend these students from attendance; they will not be readmitted to classes until the account is settled, or a satisfactory arrangement is made with the Secretary.

5. Students who have fees or other accounts outstanding at the end of the session will not be entitled to receive their marks or to have them sent to third parties, until these accounts are paid.

6. A student who withdraws from the College during the course of the academic year must cancel his registration at the Registrar's Office, and, if in residence, return his meal ticket and residence card to the Secretary's Office.

7. In the case of students who, in spite of the fact that they leave the College before the end of the academic year, receive full credit for the year towards their degree, there shall be no refund of tuition fees.

8. In the case of students who leave during the academic year and do not receive credit beyond the period of their attendance, tuition fees shall be remitted on the basis that half of the annual fees shall be remitted to a student who leaves prior to the beginning of the second term.

9. No tuition fees shall be refunded for any term during which the student has attended classes, even though he leaves before the term has finished.

10. Residence fees are payable for the full academic year and will not be refunded, except in special circumstances.

11. The Dining Room portion of the residence fees is refundable in special circumstances to students who leave the College permanently during the session.

Avoidable breakage or damage to College property or equipment by a student, is charged to him on receipt of a report from the Chairman of the department concerned.

The Administration Office is open to receive payments from 9 a.m. to 4.30 p.m. daily—except Saturday, on which day the hours are from 9 a.m. to 12 noon.

All cheques, money orders, etc., should be drawn to the order of "The Secretary, Macdonald College," and should be made payable at par.

LAUNDRY SERVICE

Weekly laundry service at moderate prices is provided by a Montreal laundry to which students may send their personal washing, sheets, pillow covers, and towels. Printed lists will be furnished, two copies of which, properly filled out, must accompany each parcel. Fully equipped laundry rooms are also provided in each residence for students' use.

HEALTH SERVICE

The College Health Service provides medical examinations for all men and women students at the beginning of each session. The examination for students entering for the first time includes a complete clinical check, together with an X-ray of chest and routine laboratory procedures. Students who fail to comply with this requirement by November 1st in any academic year will be subject to a fine of five dollars, and students who fail to comply with it by November 15th will be suspended from membership of the University.

Medical and nursing attendance, major operations and illness excepted, will be provided to all students while in attendance at the College. During illness students are under the direction of the Medical Officer and may not leave the residence or infirmary without his permission.

The Health Service provides treatment for minor illnesses or accidents. Students requiring medical attention should report to the infirmary in the first place. It is not the function of the Health Service to undertake the care of serious cases beyond the initial diagnosis and emergency treatment. When necessary the patient will be referred to the physician or surgeon of his choice or to the public service of designated hospitals. The cost of such services is then the student's responsibility, subject, however, to the stipulations contained in the following paragraph.

If a student's admission to a city hospital is ordered by the College Medical Officer, one half of all public ward charges is paid by the College, provided that the total obligation assumed by the College does not exceed $125.00 in any one session for any one student. Should a student desire private accommodation, the difference in cost must be borne by him. The student should pay the hospital and when discharged should present the receipt and hospital statement to the Secretary's office.

This contribution towards hospital expenses is made only when the illness or other condition requiring hospital treatment was not present or was unknown or undetected at the time of admission.

The families of out-of-town students will be notified of any serious illness, and the action of the Health Service will be guided by their wishes or the advice of their family doctor.

Students entering the University are presumed to be in good health. If they are not, a statement to the contrary should be furnished to the Health Service before registration in the University is completed.

The University is not responsible for damages of any kind resulting from accidents or athletic injuries which may occur, nor for the medical or hospital expenses incurred by any person suffering an accident or athletic injury. In the case of injuries which occur during intercollegiate or intramural competition in athletics or in preparation therefor, the Health Service will render treatment, including hospitalization, if necessary, but any hospital expense in connection therewith shall be limited to the same maximum amount and conditions as in the case of hospitalization for illness. If circumstances appear to justify such action, the Director of the Department of Athletics, Physical Education, and Recreation may authorize additional services or contributions towards such cost.

During the session, all students are covered by a group accident insurance policy, the premium for which is included in the student activity fee. A folder explaining the schedule of hospital and other benefits to which he is entitled is given to each student at registration. On return to the College from being in hospital as result of an accident students should report to the Secretary's Office at once to complete the necessary claim form. The benefits of this group accident insurance policy are payable in addition to any other benefits to which the student may be entitled.

All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against smallpox.

BOOKS

The prescribed textbooks, and classroom and laboratory supplies, may be purchased at the College Book Shop.

HOUSEHOLD SCIENCE TRIPS

Students in Household Science are taken to visit various institutions in connection with their work, from time to time during their course, more especially in the senior years. Each student is responsible for her own expenses, which are kept to the minimum amount.

SUPPLIES

Material and supplies required for classes in Textiles and Clothing are provided by the students concerned and purchased at the direction of the instructor.

OUTFIT REQUIREMENTS FOR WOMEN STUDENTS

SCHOOL OF HOUSEHOLD SCIENCE:—No uniforms are required in the First year of the B.Sc.(H.Ec.) course. Students in the Second, Third, or Fourth year of the B.Sc.(H.Ec.) course will be advised of the uniform requirements on acceptance or promotion.

PHYSICAL EDUCATION COSTUME

First year women students take work in the gymnasium and are required to wear the regulation gymnastic costume consisting of a green "V" neck tunic, white blouse, briefs, short white socks and running shoes. The tunic, and briefs may be bought at the College on the day of registration providing that the order form, sent with the acceptance papers in August, is completed and returned immediately. The current prices are $5.00 and $1.00, respectively.

Students wishing to swim must provide themselves with bathing suits and caps.

Faculty of Agriculture and School of Household Science

The following courses of study are offered by the Faculty of Agriculture and the School of Household Science:

I. **Courses in Agriculture:**

Bachelor of Science in Agriculture [*B.Sc.(Agr.)*]

A four-year course from junior matriculation leading to professional qualification in agricultural science, or in one of its specialized branches (page 4538).

The Diploma Course in Agriculture

A two-year practical course in farming, with the emphasis on training farmers' sons so that they may develop into "master farmers" (page 4596).

Postgraduate courses in Agricultural Science

These lead to the degrees of Master of Science and Doctor of Philosophy, with study and research in one or more of the Departments of the Faculty. The course of studies and examinations are controlled by the Faculty of Graduate Studies and Research (page 4595).

II. **Courses in Household Science:**

Bachelor of Science in Home Economics [*B.Sc.(H.Ec.)*]

A four-year course from junior matriculation leading to the professional qualifications necessary for dietetics or home economics education (page 4606).

III. **Agricultural Specialist Teaching Certificate:**

A one-year course offered in collaboration with the Institute of Education, for those holding the B.Sc.(Agr.) and intending to qualify themselves for the teaching profession (page 4594).

GENERAL ENTRANCE REQUIREMENTS

All candidates for admission:

1. Must have passed their seventeenth birthday except under special circumstances, and then only with express permission.

2. Must furnish medical certificate of physical health on forms supplied by the College. All students entering the University for the first time are required to present a certificate, or other satisfactory evidence, of successful vaccination against smallpox.

EXAMINATIONS

B.Sc. (AGR.) AND B.Sc. (H.Ec.)

All students are required to give satisfactory evidence of mastery of the material of lecture and laboratory. Examinations are held at the end of the first term in First and Second years, and at the end of each course in all years. In final examinations the mark assigned represents the standing of the student in all the work of the course. Marks for seminars, projects, purely laboratory and similar courses may be assigned wholly or in part on the year's work.

Upon payment of a fee of $10 a student may apply to the office of the Dean of the Faculty concerned to have an examination re-read.

First year students who obtain an average of less than 40 per cent in the first term examinations are not permitted to continue with the work of the second term.

In all other years, standing of all students as shown by the results of first term examinations is critically reviewed by Faculty. Any student whose average mark is less than 50% may be required to discontinue, with the privilege of re-registering in a succeeding session.

Examination in any subject may be refused because of absence without accepted excuse from one or more classes in the subject. See page 4524.

Students who are allowed to repeat a year do so on probation. Students whose work or conduct proves unsatisfactory may also be placed on probation involving loss of certain privileges. The type of probation will vary with individual cases.

ADVANCEMENT FROM YEAR TO YEAR

In the First and Second years any student who fails to obtain an average of at least 50% based on all courses of the year, or who fails in courses of the year's work to an aggregate value of more than 18 units, will be required to repeat the year. A student in these years who fails courses of the year's work to an aggregate value of 18 or less units, and whose average is at least 50%, must, in order to advance to the following year, write supplemental examinations in all failed courses during the September supplemental examination period prior to his re-registration in the Faculty.

No student who, because of failures in regular or supplemental examinations, has outstanding more than ten units of the work of the previous year may register in the Second or Third year. Students repeating ten or less units of the previous year's work shall be registered as "conditioned" students of the next year.

Any Third year student who fails to obtain an average of 50% based on all the courses of his year will be required to repeat the year. No student may be registered in the Fourth year conditioned in more than eight units of the normal Third year work or who cannot for timetable or other reasons, carry a full Fourth year plus the work in which he is conditioned.

A student who fails his year and has a record of having been conditioned in the previous year will be required to withdraw.

A student who has a record of two failed years will be required to withdraw.

A conditioned student will, at the next regular final examination period after registration, write final supplementals in all failed courses regardless of whether or not he has been able to repeat the course(s) without timetable conflict. The results of such final supplementals will be recorded as "supplemental passed" or "supplemental failed". Failure to pass any final supplemental will require withdrawal. (A student who has failed an elective course, and failed the August supplemental may, instead of writing a final supplemental in his *failed elective*, if he wishes, substitute in the following year another elective for the failed elective. In addition, if a student taking a course with a more advanced class fails such a course, and fails to clear it by the August supplemental, he will not be classed as a conditioned student, but will be required to repeat the course (for the marked earned) in its regular year. A second failure in the course will required withdrawal without the privilege of a supplemental).

A conditioned student, who at the spring examination period passes his final supplementals and makes an average of over 50% in the courses of the current year, but fails some courses, will then be warned that should he fail his August supplementals in those courses, he will not be allowed to register for the next session, but will be required to withdraw for one year. This means that no student will be registered as "conditioned" for two consecutive college years.

A student who is allowed to repeat a year will normally be granted credits in such courses as he has already passed, and in which he has obtained at least 60% in the examination. The student having such credits should, and will generally be required to, take additional courses of the succeeding year to make up a desirable course load. The choice of subjects must involve no conflict of hours in the time-table. Such courses, when passed, may be credited to the next year's work, but again the student will be expected to take extra courses sufficient to give him a reasonable course load.

A student repeating his year will have recorded on his transcript the marks he is awarded for the courses passed. Failure of such a student to

pass a repeated course will require withdrawal, without the privilege of a further supplemental.

A student who is required to withdraw for academic failure may be re-admitted to the Faculty if he applies for permission to write and passes a series of qualifying examinations as determined by Faculty, and to include his failed courses, at the spring examination period prior to his intended re-registration.

Note:—Conditioned Students are those who have been promoted conditionally to the succeeding year of their course, but, as a result of a failure (or failures), have a course (or courses) of the previous year's work outstanding at the time of registration. Conditioned students, as indicated above, must pass "final supplementals" in such outstanding courses at the next regular final examination period, i.e. in January for first term half courses, and in April for all other courses.

Conditioned students are on academic probation and may be required to withdraw if their work continues to be unsatisfactory. Conditioned students are not eligible to hold student office.

Repeating Students are those students who, because of failures, are required to repeat their year. They are on academic probation, and may be required to withdraw if their work continues to be unsatisfactory. Repeating students are not eligible to hold student office.

ACADEMIC PROBATION

Academic probation may be imposed by the Faculty on any student whose progress and work are unsatisfactory. It is automatically imposed on all students repeating their year. A student on academic probation remains at the College on trial and must improve his standing or he will be required to withdraw. He is not eligible to hold student office, to play on College teams, or to participate in organized activities, such as dramatics, the Green and Gold, or the Winter Carnival, etc.

PASS AND HONOUR STANDING

HONOUR STANDING:—Students who obtain an average of 80 per cent or over, based on all the courses of their Third and Fourth years, are granted First Class Honours on graduation; those who obtain an average of from 65 to 79 per cent, based on all the courses of their Third and Fourth years, are granted Second Class Honours.

PASS STANDING:—Students who obtain an average of not less than 50 per cent, based on all the courses of their Third and Fourth years, are granted Pass Standing.

SUPPLEMENTAL EXAMINATIONS

Regular supplemental examinations are held in August before the beginning of the session; however, a student who is prevented by illness from writing at the regular supplemental period may apply for special examinations to be held at a later date.

Candidates for a supplemental examination must make application for the examination at least three weeks prior to the examination date on forms available in the Registrar's Office. The fee is $10.00 per paper.

The student passing a supplemental examination will be credited on his record with a pass, no mark being recorded.

B.Sc.(Agr.) Curriculum

This is a four-year course of study leading to the degree of Bachelor of Science in Agriculture; the degree when abbreviated is designated B.Sc.(Agr.).

The curriculum is organized with equal standards and similar plans to those of the other faculties of the University. During the first two years the work undertaken is common to all students and is limited to subjects which are basic in the study of all branches of agriculture. In the Third and Fourth years the student may specialize in a single branch of agriculture, or, in special cases, he may choose a combination of related subjects. In either case the outline of work must offer a comprehensive training in the major work and cognate subjects.

ENTRANCE REQUIREMENTS

1. It is the desire of the Faculty to admit to the B.Sc.(Agr.) course only those candidates who intend to pursue a career in agriculture and who possess qualities of character and intellect which indicate their adaptability to an academic environment.

2. General Entrance requirements have been set out on page 4533.

3. *Academic requirements:* Admission is at the discretion of a faculty committee. The committee accepts as a general standard the McGill School Certificate. The minimum requirement for consideration under this Certificate is that the candidate must have passed (obtained 50 per cent or more) in each of the subjects specified below, with a minimum of 10 papers. An average standing of not less than 65% in the 10 papers is required.

Papers	Required Subjects
1	English Literature
1	English Composition
1	History
1	Elementary Algebra
1	Elementary Geometry
	plus the following
1	One of Physics, Chemistry, or Biology
2	Two papers (i.e. Oral and Written or Grammar and Composition) in one of French, Latin, German, Spanish

2 Two additional papers chosen from

(a) the foreign language not already chosen

(b) the sciences not already chosen, i.e., Physics, Chemistry, Biology.

(c) Intermediate Algebra, Trigonometry, Art, Geography, Agriculture, North American Literature.

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The following certificates are accepted in lieu of the McGill Junior School Certificate provided:

1. The certificate has been obtained under no easier conditions than those applying to the McGill Junior School Certificate; and

2. The subjects presented and the average standing obtained on such certificates conform generally to those listed above for the McGill Junior School Certificate:

Quebec: The High School Leaving Certificate
The Catholic High School Leaving Certificate

Ontario: Grade XII Certificate (including a statement of marks received in both Grades XI and XII.)

British Columbia and New Brunswick: Junior Matriculation

Alberta, Manitoba, Newfoundland, Nova Scotia and Saskatchewan: Grade XI Certificate.

Prince Edward Island: Second Year Certificate of Prince of Wales College.

United States: Certificates issued by the College Entrance Examination Board.

United Kingdom: For the General Certificate of Education, a minimum of passes in five acceptable subjects at the Ordinary level, including English and Mathematics; for the School Certificate, credit or higher standing in at least five acceptable subjects including English, Mathematics, a foreign language.

Attention is drawn to the following requirement of the McGill University Committee on Admissions:

"Canadian and U.S. students who apply for admission at Junior or Senior Matriculation level in 1962 and subsequent years must take the tests offered by the College Entrance Examination Board. These consist of the Scholastic Aptitude Test (in two parts—Verbal and Mathematical) and three Achievement Tests selected by the student in consultation with his School Principal. The English Composition test is compulsory; the other two tests may be chosen from any of the following:

Intermediate Mathematics *or* Advanced Mathematics, Physics, Chemistry, Biology, French, Latin, German, Spanish, Social Studies (U.S. applicants only). These tests must be written not later than in March of each year. The tests may be written on one testing date, but it is recommended that applicants write the Scholastic Aptitude Test in December or January, and the three Achievement Tests in January or March. The cost to the student for writing the full set of tests is $13.00. Students from the eastern parts of Canada and the United States may obtain full information by writing to the College Entrance Examination Board, Box 592, Princeton, New Jersey; students from the West should write to: College Entrance Examination Board, Box 27896, Los Angeles 27, California."

In the Faculty of Agriculture (and School of Household Science) students entering from the Protestant (and the private) schools of the Province of Quebec, and those entering from the United States will be required to sit the examinations and submit the results of the College Entrance Examination Board before their applications will be considered. The applications of other students will be strengthened, if they submit C.E.E.B. results in support of their applications. In general, C.E.E.B. examinations results will be required for each applicant who could, without undue inconvenience, sit the examinations.

Students intending to enter by certificate should in no circumstances come to the College without having obtained from the Registrar a statement of the value of the certificates they hold.

Students with incomplete requirements may obtain standing in subjects included in the McGill School Certificate by writing McGill examinations.

A candidate may be admitted to the Second year if (1) he has completed all requirements for entrance to the First year and (2) has written and passed with an average standing of not less than 65% the required papers of the McGill Senior School Certificate Examination. These are:

English Literature
English Composition
Algebra
Trigonometry
Physics
Chemistry
*Biology

*Applicants from institutions not offering Senior Matriculation Biology may be considered if they have attained 65% or better standing in two full years of Biology or one year of Botany and one year of Zoology at the Junior Matriculation level.

The following certificates are accepted in lieu of the McGill Senior School Certificate:

Quebec: Senior Quebec High School Leaving Certificate
Senior Catholic High School Leaving Certificate

Ontario: Grade XIII Certificate

Alberta, Manitoba, Nova Scotia and Saskatchewan: Grade XII Certificate

Prince Edward Island: Third Year Certificate of Prince of Wales College

British Columbia: Senior Matriculation Certificate

United Kingdom Certificates: For the General Certificate, passes in five subjects including Biology at the Ordinary Level, plus Physics and Chemistry at the Advanced Level.

NON-CANADIAN STUDENTS

Applications for admission from students whose homes are outside Canada must be received before March 1st of any year if they are to be considered for acceptance for that calendar year. No decisions on these applications will be made by the Committee on Admissions before March 1st, and the applicant will be notified whether or not his application is accepted as soon after that date as possible.

ASSOCIATED COLLEGES

By special agreement, Prince of Wales College, Charlottetown, P.E.I. and the Nova Scotia Agricultural College, Truro, N.S., have arranged to provide their students with a course of study substantially equivalent to the first two years in Agriculture at Macdonald College. Students who have completed such a course of study with satisfactory standing in courses equivalent to those of the first two years of the B.Sc. (Agr.) curriculum, will be admitted to the third year at Macdonald College, provided that their overall averages, and their grades in individual courses are considered satisfactory by the Committee on Admissions.

By special arrangement with the Ontario Veterinary College, students who have successfully completed the first two years of the B.Sc.(Agr.) course at Macdonald College to include the subjects specified by the Ontario Veterinary College, and who have obtained an average of 65% in these subjects, will be admitted to the Second year at the Ontario Veterinary College, Guelph, Ont. This course starts about the middle of September each year.

PERMISSION TO STUDY

Candidates for admission to the Degree Course in Agriculture who intend to practise as professional agriculturists in the Province of Quebec must obtain approval of their application from La Corporation des Agronomes before beginning the course. Forms of application for Permission to Study and full particulars may be obtained from La Corporation des Agronomes de la Province de Québec, Suite 303, 8440 St. Laurent Blvd., Montreal 11, or from the Registrar, Macdonald College.

Failure to comply with the regulations of the Corporation may cause a delay of a year or more before the candidate can be legally authorized to practise his profession in the Province of Quebec. Application for permission to study must be made before August 1st, 1961.

COURSE REQUIREMENTS

The requirements for graduation are:—

(a) Pass standing in all courses of the First and Second years, as outlined below.

(b) Pass standing in the Third and Fourth year courses equivalent to a minimum of 11 courses. In addition all students upon entering their Third year are required to take and complete successfully Agriculture 300a.

(c) Satisfactory distribution and concentration of courses:—See *Courses of Study* below.

(d) *Practical experience.* Satisfactory fulfilment of regulations concerning practical and professional experience, as below.

At least one season of farm experience is essential for admission to certain options in agriculture. Students who have not secured such experience by the beginning of the Third year may find themselves ineligible for admission to these options. In the case of students from outside Canada, this experience is best obtained in the country from which the student comes.

Students majoring in Agronomy are required to spend one summer in the Agronomy Department at the College, or at some other approved college or experimental farm. This may be between the Second and Third, or the Third and Fourth years. Students having extensive farm experience as a background are likely to find a wider range of opportunities for employment in the agronomic field.

Students majoring in Agricultural Engineering are required to have at least one season of farm experience and to work for a summer in some phase of agricultural engineering work approved by the Agricultural Engineering Department.

It is highly desirable that students entering the General Agriculture option have some farm experience or equivalent to complement their scientific training. This requirement will be reviewed in consultation with the chairman in terms of the specific interests of the student upon registration for the Third year.

Students majoring in Horticulture are required to spend one summer in the Horticulture Department at the College, or at some approved vegetable farm, fruit farm, or nursery.

Students majoring in Entomology, General Biology or Plant Pathology are required to spend one summer in field or laboratory work, either at the College under the direction of the department concerned, or in one of the Government laboratories, or in some other place approved by the department concerned.

No summer work or practical experience requirements need be met in the case of students majoring in Agricultural Bacteriology, Agricultural Chemistry, Agricultural Economics or Animal Science.

SYLLABUS

B.Sc.(Agr.) Course

SUBJECTS	Course Numbers	Unit Value	Periods per week		Term Given
			Lects.	Labs.	
FIRST YEAR					
Biology: General Biology	120	10	3	2	Both
Chemistry: Inorganic Chemistry	110	10	3	2	Both
Economics: Economic History	100	6	2	1	Both
English: Literature and Composition	100	8	4	..	Both
Mathematics: Plane Trigonometry, Algebra, Analytical Geometry	110	6	3	..	Both
Physics: General Physics	112	8	3	1	Both
SECOND YEAR					
Agriculture: General Agriculture	220	6	3	..	Both
Botany: Intermediate Botany	210b	4	2	2	Second
Chemistry: Organic Chemistry	220	10	3	2	Both
Economics: Elementary Principles	220b	3	3	..	Second
*English: Modern Literature	225	4	2	..	Both
or					
Speaking and Writing	226 ...	4 ..	2 1	.. 1	First Second
Mathematics: Calculus	220	6	3	..	Both
Physics: General Physics	222	8	3	1	Both
Zoology: Intermediate Zoology	230a	4	2	2	First

*Second year students must take either English 225 or English 226.

See also elective courses in French and History, pages 4587-8.

SYLLABUS

B.Sc.(Agr.) Course

Third and Fourth Years

SUBJECTS	Course Nos.	Unit Value	Periods per week		Term Given	Session offered (if alternating)
			Lects.	Labs.		
Accounting:						
Elements of Accounting	101	6	3	..	Both	
Agricultural Engineering:						
Descriptive Geometry	330	4	1	1	Both	
Spraying and Dusting Equipment	332b	2	..	2	Second	
Farm Power Machinery	334b	4	2	2	Second	
Applied Mechanics	337	4	2	..	Both	
Shopwork	338	4	1	1	Both	
Farm Buildings	431b	3	2	1	Second	
Farm Machinery	433a	4	2	2	First	
Agricultural Drafting	435	6	..	3	Both	
Projects	436b	3	..	3	Second	
Mechanics	437	4	1	1	Both	
Surveying and Drainage	439a	4	2	1	First	
Engineering for Land Development	439	6	2	1	First	}
		..	2	..	Second	}
Farm Electrification	440	6	2	1	Both	
Strength of Materials	441	5	2	..	First	}
		..	2	1	Second	}
Agriculture	300a	1	..	..	First	
Agronomy:						
Cereal Crops	331b	3	2	1	Second	
Field Crop Production	343	6	2	1	Both	
Introduction to Agronomic Crops	345	3	..	2	First	}
		..	..	1	Second	}
Hay and Pasture Crops	432a	3	2	1	First	
Plant Breeding	435b	3	2	1	Second	
Crop Adaptation and Distribution	436b	3	2	1	Second	
Soil Management	438b	2	2	..	Second	
Projects	442	2	..	1	Both	
Statistical Methods	444a	2	..	2	First	
Miscellaneous Agronomic Crops	446a	2	2	..	First	
Animal Science:						
Principles of Physiology	330b	3	3	..	Second	
Livestock Production	331a	3	2	1	First	
Animal Breeding Principles	339b	4	3	1	Second	
Fundamentals of Nutrition	430	6	2	1	Both	
Applied Animal Nutrition	432b	4	3	1	Second	
Animal Prod'n—Non-Ruminant	433a	3	2	1	First	
Animal Prod'n—Ruminant	434b	3	2	1	Second	
Animal Pathology	435a	3	3	..	First	
Disease Control	436b	3	2	1	Second	
Animal Products—Their Nature and Technology	437	6	2	1	Both	
Reproduction Physiology	438a	3	2	1	First	
Project and Seminars	440	5	2	3	Both	
Bacteriology:						
General Microbiology	330b	4	2	2	Second	
Laboratory Methods	333b	4	1	3	Second	
Soil Microbiology	432a	4	2	2	First	
Food Microbiology	434a	4	2	2	First	
Dairy Bacteriology	435a	4	2	2	First	
Projects	436	6	..	3	First	}
		..	..	3	Second	}
Seminar	437	2	1	..	Both	
Physiology of Micro-organisms	438b	4	2	2	Second	

SYLLABUS

B.Sc.(Agr.) Course

Third and Fourth Years (*continued*)

SUBJECTS	Course Nos.	Unit Value	Periods per week		Term Given	Session offered (if alternating)
			Lects.	Labs.		
Botany:						
Plant Physiology	330b	4	2	2	Second	
Histology—Cytology	331b	3	1	2	Second	
Methods	334a	3	1	2	First	
Plant Morphology	432a	3	1	2	First	
Systematic Botany	433	3	..	2	First	
		..	..	1	Second	
Business Administration:						
**Introduction to Business Administration	360	6	3	..	Both	
Chemistry:						
Organic Preparations	331a	3	1	2	First	
General Biochemistry	332a	4	2	2	First	
Quantitative Analysis	333a	6	2	4	First	
Qualitative Analysis	334b	6	2	4	Second	
Quantitative Analysis	335a	5	2	3	First	
Qualitative Analysis	336b	5	2	3	Second	
Physiological Chemistry	347b	4	2	2	Second	
Introductory Soil Science	354	8	2	2	Both	
Physical Chemistry	439	6	1	2	Both	
Projects	440	6	..	3	Both	
Seminar	441	2	1	..	Second	
Plant Biochemistry	448b	4	2	2	First	
Food Chemistry	451a	4	2	2	Second	
Advanced Food Analysis	452b	4	2	2	First	
Elementary Food Analysis	453a	3	2	1		
Economics:						
Economics of Marketing	330b	3	3	..	Second	
Economics of Agriculture	331b	3	3	..	Second	
Farm Accounting and Farm Management	332a	3	3	..	First	
Economic Analysis	333	6	3	..	Both	
Project and Special Problems	434c	3	..	3	Either	
*Money and Banking	321 *or* 321H	6	3	..	Both	
*Economic Statistics	361 *or* 361H	6	3	..	Both	
*Economic Analysis	411 *or* 412	6	3	..	Both	
English:						
Literature of Rural Life	331	3	1	..	First	
		..	2	..	Second	
Modern Drama	332	3	2	..	First	
		..	1	..	Second	
Extension Methods	330	4	1	1	Both	

* Faculty of Arts and Science.

** School of Commerce.

SYLLABUS

B.Sc.(Agr.) Course

Third and Fourth Years (*continued*)

SUBJECTS	Course Nos.	Unit Value	Periods per week		Term Given	Session offered (if alternating)
			Lects.	Labs.		
Entomology:						
Insect Morphology	330	8	2	2	Both	
Insect Physiology	333	6	1	2	Both	1962-63
Systematic Entomology	335b	4	..	4	Second	
Economic Entomology	433	8	2	2	Both	
General Entomology	434b	4	2	2	Second	
Principles of Taxonomy	435	4	2	2	Both	1961-62
Terrestrial Ecology	436	5	1	1	First	1961-62
Seminar	..	..	2	1	Second	
Projects	437	2	..	1	Both	
Arachnology and Soil Entomology	438	4	..	2	Both	
	439	5	1	1	First	1962-63
Foods:		..	2	1	Second	
***Introductory Foods	326	6	1	2	Both	
***Experimental Foods	434c	3	1	2	Either	
Food Management:						
Seminar	400	2	1	..	Both	
French	100	6	3	..	Both	
	300	4	2	..	Both	
Genetics:						
Elementary Genetics	330a	5	3	2	First	
History	100	6	3	..	Both	
Home Economics Education:						
***Methods of Teaching	441a	3	2	1	First	
Horticulture:						
Pomology (Tree Fruits and Small Fruits)	338	6	2	1	Both	1961-62
Plant Propagation	340b	2	1	1	Second	
Horticultural Crops	345a	3	3	..	First	
Vegetable Crops	431	6	2	1	Both	1962-63
Landscape Architecture	432a	4	2	2	First	
Floriculture	435b	2	2	..	Second	
Seminar	437	2	..	1	Both	
Storage and Handling of Horticultural Crops	443a	2	1	1	First	
Fruit and Vegetable Processing	444b	3	2	1	Second	
Institutional Administration:						
**Organization and Management	442b	3	3	..	Second	
**Principles of Accounting and Cost Control	443b	3	3	..	Second	
**Kitchen Planning and Equipment	445a	3	3	..	First	

** School of Commerce.

*** School of Household Science.

SYLLABUS

B.Sc. (Agr.) Course

Third and Fourth Years (*continued*)

SUBJECTS	Course Nos.	Unit Value	Periods per week		Term Given	Session offered (if alternating)
			Lects.	Labs.		
Law:						
*Commercial Law	1	6	3	..	Both	
Mathematics:						
Elementary Differential Equations	330a	2	2	..	First	
Elementary Statistics	331b	3	3	..	Second	
Nutrition and Dietetics:						
**Diet Therapy	441	4	2	..	First	
		..	1	1	Second	
Physics:						
Biophysics	333a	4	2	2	First	
Biophysics	340a	2	1	1	First	
Meteorology	432b	1	1	..	Second	
Soil Physics	436a	2	1	1	First	
Molecular and Atomic Physics	438	4	2	..	Both	
Plant Pathology:						
Technique	330b	3	1	2	Second	
Diseases of Plants	331a	4	2	2	First	
Mycology	333a	4	2	2	First	
Diseases of Field and Forest Crops	337b	4	2	2	Second	1961-62
Plant Pathology II	436	8	2	2	Both	1961-62
Projects	434	4	..	2	Both	
Seminar	435	2	..	1	Both	
Diseases of Horticultural Crops	437b	4	2	2	Second	1962-63
Sociology:						
Introduction to Sociology	340c	3	3	..	Either	
Woodlot Management	330a	2	1	1	First	
Zoology:						
Technique	332b	2	..	2	Second	
Comparative Vertebrate Anatomy	431	5	1	1	First	1961-62
			2	1	Second	
Parasitology	434	5	1	1	First	1962-63
		..	2	1	Second	

* School of Commerce.

** School of Household Science.

EVALUATION OF COURSES

For the purposes of evaluation, a full course consists of three lectures per week throughout the year, and is rated at 6 units. A two-hour laboratory period equals one lecture period. More or less than full courses are rated proportionately. One "unit" is one lecture or one laboratory period per week for one term.

COURSES OF STUDY

Before entering upon the Third year, students must prepare, in consultation with the professors under whom major subjects are to be taken, summaries of courses to be taken in the Third and Fourth years, which shall include, in addition to Agriculture 300a, the equivalent of not less than 11 nor more than 12½ full courses (*i.e.*, from 67 to 76 units). Term schedules must be approved by the Faculty.

During the Third and Fourth years, students may specialize in any one of the following subjects. In special cases, and when approved by Faculty, a combination of two subjects may be arranged. In this case not less than 3½ full courses (21 units) must be taken in each subject.

MAJOR OPTIONS OFFERED

Agricultural Bacteriology
Agricultural Chemistry
Agricultural Commerce
Agricultural Economics
Agricultural Engineering
Agronomy
Animal Science
Entomology
Food Management
General Agriculture
General Biology
Horticulture
Plant Pathology

The following pages list the courses which are obligatory in the various options. Any additional courses needed to make up the minimum requirements of 67 units may be selected from any courses listed in the Announcement, subject to time table restrictions. No schedule may contain more than 76 units.

AGRICULTURAL ENGINEERING

Professor E. A. Banting
Option Chairman

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Agricultural Engineering 330	4	1	1	1	1
Agricultural Engineering 332b	2	..	..	..	2
Agricultural Engineering 334b	4	..	..	2	2
Agricultural Engineering 337	4	2	..	2	..
Agricultural Engineering 338	4	1	1	1	1
Animal Science 331a	3	2	1	..	..
Chemistry 354 (lectures only)	4	2	..	2	..
Economics 332a	3	3	..	..	..
Mathematics 330a	2	2	..	..	..
Plant Pathology 331a	4	2	2	..	..
Total units	35	15	6	8	6

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agricultural Engineering 431b	3	..	..	2	1
Agricultural Engineering 433a	4	2	2	..	..
Agricultural Engineering 435	6	..	3	..	3
Agricultural Engineering 436b	3	..	..	..	3
*Agricultural Engineering 437	4	2	..	1	..
**Agricultural Engineering 439	6	2	2	2	..
Agricultural Engineering 440	6	2	1	2	1
Agricultural Engineering 441	5	2	..	2	1
*Physics 432b	1	..	..	1	..
Physics 436a	2	1	1	..	..
Total units	38 or 39	9 or 11	9	9	9

Total—73 or 74 units

(79 units if student elects Agricultural Engineering 441*)

*Students intending to proceed to the Faculty of Engineering must take Agricultural Engineering 437 and students in good standing may elect Agricultural Engineering 441 (Strength of Materials) with permission of the Chairman of the Department and approval of Faculty. Students not intending to proceed to the Faculty of Engineering at McGill may take *either* Agricultural Engineering 437 *or* Physics 432b, and Woodlot Management 330a, *or* any other courses with equal unit value approved by the Chairman of the Department.

**No laboratory periods are scheduled in the time table for Agricultural Engineering 439 but field work prior to general registration in the fall term and during the term accounts for the two laboratory periods per week.

AGRONOMY

Professor H. A. Steppler
Option Chairman

Agronomy deals with the science of field crop production. Inasmuch as crop production can be divided into two broad phases, viz., plant and soil, the option is designed to permit students to so specialize. In the Third year all students electing agronomy take the same courses, selected to give a broad base in fundamental sciences. In the Fourth year the student elects one of two phases, viz., plant phase including plant breeding, or soil phase.

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Agronomy 331b	3	..	..	2	1
Agronomy 345	3	..	2	..	1
Bacteriology 330b	4	..	..	2	2
Botany 330b	4	..	..	2	2
Botany 433	3	..	2	..	1
Chemistry 332a (lectures only)	2	2	..	..	..
Chemistry 354	8	2	2	2	2
Genetics 330a	5	3	2	..	..
Mathematics 331b	3	..	..	3	..
Physics 333a	4	2	2	..	..
Agronomy 442*	..	..	..	..	..
Total units	40	9	11	11	9

* All Third year students are required to attend oral presentations in this course.

FOURTH YEAR—PLANT PHASE

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agricultural Engineering 333a	4	2	2	..	..
Agronomy 432a	3	2	1	..	..
Agronomy 435b	3	..	..	2	1
Agronomy 436b	3	..	..	2	1
Agronomy 438b	2	..	..	2	..
Agronomy 442	2	..	1	..	1
Agronomy 444a	2	..	2	..	..
Agronomy 446a	2	2	..	..	..
Animal Science 331a	3	2	1	..	..
Economics 331b	3	..	..	3	..
Entomology 434b	4	..	..	2	2
Plant Pathology 331a	4	2	2	..	..
Total units	35	10	9	11	5

Total—75 units

FOURTH YEAR—SOIL PHASE

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agricultural Engineering 439a	3	2	1	..	..
Agronomy 432a	3	2	1	..	..
Agronomy 436b	3	..	..	2	1
Agronomy 438b	2	..	..	2	..
Agronomy 442	2	..	1	..	1
Agronomy 444a	2	..	2	..	..
Agronomy 446a	2	2	..	..	..
Bacteriology 432a	4	2	2	..	..
Chemistry 335a	5	2	3	..	..
Chemistry 336b	5	..	..	2	3
Chemistry 448b	4	..	..	2	2
Total units	35	10	10	8	7

Total—75 units

AGRICULTURAL BACTERIOLOGY

Professor A. C. Blackwood
Option Chairman

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Bacteriology 330b	4	..	..	2	2
Bacteriology 333b	4	..	..	1	3
Chemistry 332a	4	2	2	..	..
Chemistry 333a	6	2	4	..	..
Chemistry 334b	6	..	..	2	4
Chemistry 347b or Chemistry 448b	4	..	..	2	2
Mathematics 331b	3	..	..	3	..
Physics 333a	4	2	2	..	..
Plant Pathology 333a	4	2	2	..	..
Total units	40	8	11	10	11

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Bacteriology 432a	4	2	2	..	..
Bacteriology 434a	4	2	2	..	..
Bacteriology 435a	4	2	2	..	..
Bacteriology 436	6	..	3	..	3
Bacteriology 437	2	..	1	..	1
Bacteriology 438b	4	..	..	2	2
Chemistry 354 (lab. 1st term only)	6	..	2	2	2
or					
Chemistry 451a, and	4	2	2	..	..
Chemistry 452b (lectures only)	2	..	..	2	..
Elective*	2-6	..	..	..	..
Total units	32-36	..	..	..	..

* Students are required to add one or more elective courses, to a maximum of 6 units, these to be chosen in consultation with the Chairman of the Department.

Total—72-76 units

AGRICULTURAL CHEMISTRY

Professor R. H. Common
Option Chairman

ANIMAL BIOCHEMISTRY GROUP

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Animal Science 330b	3	..	..	3	..
Bacteriology 330b	4	..	..	2	2
Chemistry 331a	3	1	2	..	..
Chemistry 332a	4	2	2	..	..
Chemistry 333a	6	2	4	..	..
Chemistry 334b	6	..	..	2	4
Chemistry 347b	4	..	..	2	2
Mathematics 330a	2	2	..	..	..
Physics 333a	4	2	2	..	..
Total units	37	9	11	9	8

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Animal Science 430	6	2	1	2	1
Bacteriology 434a	4	2	2	..	..
Chemistry 439	6	1	2	1	2
Chemistry 440	6	..	3	..	3
Chemistry 441	2	1	..	1	..
Chemistry 451a	4	2	2	..	..
Chemistry 452b	4	..	..	2	2
Mathematics 331b	3	..	..	3	..
Physics 438	4	2	..	2	..
Total units	39	10	10	11	8

Total—76 units

AGRICULTURAL CHEMISTRY

SOIL AND PLANT GROUP

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Bacteriology 330b	4	..	..	2	2
Botany 330b	4	..	..	2	2
Chemistry 332a	4	2	2	..	..
Chemistry 333a	6	2	4	..	..
Chemistry 334b	6	..	..	2	4
Chemistry 354	8	2	2	2	2
Mathematics 330a	2	2	..	..	..
Physics 333a	4	2	2	..	..
Total units	39	10	11	8	10

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agronomy 438b	2	..	..	2	..
Bacteriology 432a	4	2	2	..	..
Chemistry 331a	3	1	2	..	..
Chemistry 439	6	1	2	1	2
Chemistry 440	6	..	3	..	3
Chemistry 441	2	1	..	1	..
Chemistry 448b	4	..	..	2	2
Mathematics 331b	3	..	..	3	..
Physics 436a	2	1	1	..	..
Physics 438	4	2	..	2	..
Total units	36	8	10	11	7

Total—75 units

AGRICULTURAL COMMERCE

Professor D. L. Macfarlane
Option Chairman

Students electing Commerce as a major will take their Third year work at Macdonald College and their Fourth year work at McGill University. A minimum of 68 units is required.

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Agronomy 343	6	2	1	2	1
Animal Science 331a	3	3	..	..	..
Chemistry 354 (no lab. in 2nd term)	6	2	2	2	..
Economics 330b	3	..	..	3	..
Economics 331b	3	..	..	3	..
Economics 332a	3	3	..	..	..
Economics 333	6	3	..	3	..
Extension Methods 330	4	1	1	1	1
Elective	3	..	..	3	..
Total units	38	14	5	17	2

FOURTH YEAR (in Montreal)

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Commerce 1	6	3	..	3	..
Commerce 101	6	3	..	3	..
Commerce 360	6	3	..	3	..
Economics 412	6	3	..	3	..
*Elective	6	3	..	3	..
Total units	30	15	..	15	..

*An approved elective from Economics, Industrial Relations, Management and Marketing, or other field.

Total—68 units

AGRICULTURAL ECONOMICS

Professor D. L. MacFarlane
Option Chairman

Students electing Economics as a major subject take their Third year work at Macdonald College and their Fourth year work at McGill University. A minimum of 62 units is required.

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Agronomy 343	6	2	1	2	1
Animal Science 331a	3	3	..	..	..
Chemistry 354 (no lab. in 2nd term)	6	2	2	2	..
Economics 330b	3	..	..	3	..
Economics 331b	3	..	..	3	..
Economics 332a	3	3	..	..	..
Economics 333	6	3	..	3	..
Extension Methods 330	4	1	1	1	1
Elective	3	..	..	3	..
Total units	38	14	5	17	2

FOURTH YEAR (in Montreal)

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Economics 321 or 321H	6	3	..	3	..
Economics 361 or 361H	6	3	..	3	..
Economics 411 or 412	6	3	..	3	..
Elective	6	3	..	3	..
Total units	24	12	..	12	..

Total—62 units

ANIMAL SCIENCE

Professor L. E. Lloyd
Option Chairman

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	.	1	..	..
Agronomy 343	6	2	1	2	1
Animal Science 330b	3	..	..	3	..
Animal Science 339b	4	..	..	3	1
Bacteriology 330b	4	..	..	2	2
Chemistry 332a	4	2	2	..	..
Chemistry 347b	4	..	..	2	2
Genetics 330a	5	3	2	..	..
Mathematics 331b	3	..	..	3	..
Physics 333a	4	2	2	..	..
Total units	38	9	8	15	6

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Animal Science 430	6	2	1	2	1
Animal Science 432b	4	..	..	3	1
Animal Science 433a	3	2	1	..	..
*Animal Science 434b	3	..	..	2	1
Animal Science 435a	3	3	..	..	..
Animal Science 436b	3	..	..	2	1
Animal Science 437	6	2	1	2	1
Animal Science 438a	3	2	1	..	..
Animal Science 440	5	1	2	1	1
Total units	36	12	6	12	6

*For 1961-62, substitute Animal Science 339b.

Total—74 units

ENTOMOLOGY

Professor D. K. McE. Kevan
Option Chairman

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Chemistry 332a	4	2	2	..	..
Entomology 330	8	2	2	2	2
Entomology 335b	4	..	..	..	4
Entomology 333 (1962-63) *or* 435 (1961-62)	6	1	2	1	2
Zoology 332b	2	..	..	..	2
Physics 333a	4	2	2	..	..
Total units	29	7	9	3	10

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Entomology 433	8	2	2	2	2
Entomology 435 (1961-62) *or* 333 (1962-63)	4	2	..	2	..
Entomology 437	2	..	1	..	1
Entomology 438	4	..	2		2
Genetics 330a	5	3	2	..	..
Mathematics 331b	3	..	..	3	..
Plant Pathology 331a	4	2	2	..	..
Total units	30	9	9	7	5

Third or Fourth Year (depending on session offered).

One of the following each year:—

Entomology 436 / Zoology 431 (1961-62)

Entomology 439 / Zoology 434 (1962-63)

Students particularly interested in Economic Entomology may also take Agricultural Engineering 432b in Fourth year if the timetable permits.

Total—69 units

FOOD MANAGEMENT

Professor H. R. Neilson
Professor J. David
Option Chairmen

The food management option is designed for students interested in a career in the food service industry. It is built around a sound knowledge of food and food handling procedures from the managerial standpoint. Graduates will be qualified to enter the dietetic profession.

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Animal Science 330b	3	..	..	3	..
Bacteriology 330b	4	..	..	2	2
Chemistry 332a	4	2	2	..	..
Chemistry 347b	4	..	..	2	2
Economics 330b	3	..	..	3	..
Foods 326	6	1	2	1	2
Horticulture 345a	3	3	..	..	..
Mathematics 331b	3	..	..	3	..
Physics 340a	2	1	1	..	..
Sociology 340c	3	3	..	(either term)	
Total units	36	10	6	14	6

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Animal Science 430	6	2	1	2	1
Bacteriology 434b	4	..	..	2	2
Chemistry 453a	3	2	1	..	..
Food Management 400	2	1	..	1	..
Foods 434c	3	1	2	(either term)	
Home Economics Education 441a	3	2	1	..	..
Horticulture 443a	2	1	1	..	..
Horticulture 444b	3	..	..	2	1
Institutional Administration 442b	3	..	..	3	..
Institutional Administration 443b	3	..	..	3	..
Institutional Administration 445a	3	3	..	..	..
Nutrition and Dietetics 441	4	2	..	1	1
Total units	39	14	6	14	5

Total—75 units

GENERAL AGRICULTURE

Professor N. Nikolaiczuk
Option Chairman

This option is designed for students who do not wish to undertake undergraduate specialization but who prefer a general agricultural training supported by the basic sciences. The obligatory curriculum of study is so arranged that a student first elects either the animal or the plant field and thereafter chooses elective subjects dependent upon the prerequisite courses. This academic background prepares a student for extension and commercial positions in agriculture and provides the basic requirements for the pursuit of post-graduate studies in many agricultural fields.

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Agronomy 343	6	2	1	2	1
Animal Science 331a	3	2	1	..	..
Animal Science 330b	3	..	..	3	..
or					
Botany 330b	4	..	..	2	2
Chemistry 332a	4	2	2	..	..
Chemistry 354	8	2	2	2	2
Economics 330b	3	..	..	3	..
Economics 332a	3	3	..	..	..
Mathematics 331b	3	..	..	3	..
*Elective	*				
Total units	34 or 35	11	7	12 or 13	3 or 5

FOURTH YEAR—Obligatory courses

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agricultural Engineering 439	6	2	2	2	..
Animal Science 430	6	2	1	2	1
Animal Science 434b	3	..	..	3	..
Bacteriology 330b	4	..	..	2	2
Extension Methods 330	4	1	1	1	1
Genetics 330a	5	3	2	..	..
*Elective	*				
Total units	28	8	6	10	4

*It is intended that elective courses to bring the total units up to the requirements (minimum 67, maximum 76), shall be chosen from the following:

Third year: Horticulture 345a, Plant Pathology 331a.

Fourth year: Animal Science 433a, Economics 331b, Horticulture 443a, Woodlot Management 330a.

However, other courses listed in the Announcement may also be elected, subject to timetable restrictions.

GENERAL BIOLOGY

Professor D. K. McE. Kevan
Option Chairman

This option is designed for students who do not desire to take either of the more specialized biology courses during their undergraduate years, but rather to select courses which will serve as a foundation for later specialization in one of the fields of applied biology, or for a teaching career. The Fourth year courses in this option are arranged so that the student may emphasize either the botanical or the zoological sciences (Groups A and B, respectively).

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Animal Science 330b	3	..	..	3	..
Chemistry 332a	4	2	2	..	..
Physics 333a	4	2	2	..	..
Genetics 330a	5	3	2	..	..
Bacteriology 330b	4	..	..	2	2
Botany 330b	4	..	..	2	2
Botany 432a	3	1	2	..	..
Botany 433	3	..	2	..	1
Zoology 332b	2	..	..	..	2
Zoology 431 (*1961-62*) *or* Zoology 434 (*1962-63*) *or* Entomology 436 (*1961-62*)*	5	1	1	2	1
Total Units	38	9	12	9	8

*In special cases students may elect Entomology 436 as an additional course.

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Mathematics 331b	3	..	..	3	..
Zoology 431 (*1961-62*) *or* Zoology 434 (*1962-63*)	5	1	1	2	1
Entomology 335b	4	..	..	..	4
Plant Pathology 434 *or* Entomology 438	4	..	2	..	2
Plant Pathology 435 *or* Entomology 437	2	..	1	..	1
Total Units	18	1	4	5	8

GENERAL BIOLOGY (Fourth year—cont'd)

and one of the following Groups:—

GROUP A

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Botany 331b *and* 334a	6	1	2	1	2
or					
Bacteriology 432a	4	2	2	..	..
or					
Chemistry 448b	4	..	..	2	2
Plant Pathology 331a *and* 333a	8	4	4	..	..
or					
Entomology 436 (*1961-62*)	6	1	1	2	2
Total Units	10-14	(1-6)	(1-6)	(0-4)	(0-4)

Under special circumstances students may elect to do both Bacteriology 432a and Chemistry 448b

GROUP B

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Entomology 333 (*1962-63*)	6	1	2	1	2
or					
Entomology 435 (*1961-62*)	4	2	..	2	..
or					
Chemistry 347b	4	..	..	2	2
Entomology 330	8	2	2	2	2
or					
Entomology 436 (*1961-62*)	5	1	1	2	1
or					
Chemistry 347b (if Entomology 333 is elected)	4	..	..	2	2
or					
Bacteriology 432a *and* Plant Pathology 333a	8	4	4	..	..
Total Units	8-14	(0-6)	(0-6)	(1-4)	(0-4)

Total Units for required 4th year courses—26 - 32.

Note: Where the number of units for both option years otherwise totals less than 67 any other approved course may be taken to make up the deficiency.

Total—67 to 70

HORTICULTURE

Professor H. R. Murray
Option Chairman

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Bacteriology 330b	4	..	..	2	2
Botany 330b	4	..	..	2	2
Chemistry 332a	4	2	2	..	..
Chemistry 354	8	2	2	2	2
Mathematics 331b	3	..	..	3	..
Horticulture 340b	2	..	..	1	1
Physics 333a	4	2	2	..	..
Plant Pathology 331a	4	2	2	..	..
Total units	34	8	9	10	7

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agronomy 444a	2	..	2	..	..
Agronomy 435b	3	..	..	2	1
Agricultural Engineering 439a	4	2	1	..	..
Botany 433	3	..	2	..	1
Entomology 434b	4	..	..	2	2
Genetics 330a	5	3	2	..	..
Horticulture 437	2	..	1	..	1
Horticulture 443a	2	1	1	..	..
Horticulture 444b	3	..	..	2	1
Total units	28	6	9	6	6

ELECTIVES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Fourth Year:					
Horticulture 432a	4	2	2	..	..
Horticulture 435b	2	..	..	2	..

Third or Fourth Year (depending on session offered)

Horticulture 338 2 lects., 1 lab. per week, both terms (1961-62).
Horticulture 431 2 lects., 1 lab. per week, both terms (1962-63).

Total—74 units

In addition to the above listed courses, students must elect in the 3rd and/or 4th years, depending on the session offered, any one of the following combination of elective courses:

	Total Units
1. Horticulture 431 and Horticulture 338	73
2. Horticulture 431, Horticulture 432, Horticulture 435, Woodlot Management 330a	75
3. Horticulture 338, Horticulture 432, Horticulture 435, Woodlot Management 330a	75

PLANT PATHOLOGY

Professor W. E. Sackston
Option Chairman

THIRD YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Agriculture 300a	1	..	1	..	..
Bacteriology 330b	4	..	..	2	2
Botany 330b	4	..	..	2	2
Botany 331b	3	..	..	1	2
Botany 334a	3	1	2	..	..
Chemistry 332a	4	2	2	..	..
Physics 333a	4	2	2	..	..
Plant Pathology 330b	3	..	..	1	2
Plant Pathology 331a	4	2	2	..	..
Plant Pathology 333a	4	2	2	..	..
Plant Pathology 337b (*1961-62*)	4	..	..	2	2
or					
Plant Pathology 437b (*1962-63*)	4	..	..	2	2
Total units	38	9	11	8	10

FOURTH YEAR

COURSES	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Botany 432a	3	1	2	..	..
Botany 433	3	..	2	..	1
Chemistry 448b	4	..	..	2	2
Entomology 434b	4	..	..	2	2
Genetics 330a	5	3	2	..	..
Mathematics 331b	3	..	..	3	..
Plant Pathology 434	4	..	2	..	2
Plant Pathology 435	2	..	1	..	1
*Plant Pathology 437b (*1962-63*)	4	..	..	2	2
or					
*Plant Pathology 337b (*1963-64*)	4	..	..	2	2
Total units	32	4	9	9	10

*Plant Pathology 436 2 lects., 2 labs. both terms (1961-62)

Students may also be advised or required to take Agricultural Engineering 432b in Fourth year.

Total—70 units

DESCRIPTION OF COURSES—

Courses designated "a" are given in the first term only.
Courses designated "b" are given in the second term only.
Courses designated "c" may be given in either term.
Courses with no letter designation continue throughout both terms.

For timetable information see pages 4646 to 4650.

ACCOUNTING

101. ELEMENTS OF ACCOUNTING

Introduction to books of account and financial statements; theory of debit and credit; principles of double entry; the accounting cycle; recording of transactions in the general journal and general ledger; principles of control accounts; accounts receivable and accounts payable ledgers; provision for bad debts and cash discounts; use of special books of original entry including cash receipts and cash payments books, cheque register, sales and purchase journals, and voucher register; distinction between capital and revenue expenditure; accounting for petty cash; bank reconciliation statements; notes and bills of exchange; inventories; preparation of profit and loss accounts or statements and balance sheets, with adjusting and closing entries.

Both terms: 3 lects. per week. *Professor A. R. Marshall (School of Commerce)*

DEPARTMENT OF AGRICULTURAL BACTERIOLOGY

Professor A. C. BLACKWOOD, *Chairman*
Associate Professor R. A. MACLEOD
Assistant Professor R. KNOWLES

330b. GENERAL MICROBIOLOGY

General introduction to microbiology; elementary principles of microbial morphology and physiology; relation of microorganisms to fermentations, food, dairy, water, sewage, soils and disease.

Text Books:—Pelczar and Reid, Microbiology; Stanier, et al., The Microbial World (option students only).

Second term: 2 lects. and 2 lab. periods per week. *Professor Blackwood*

333b. LABORATORY METHODS

A study of techniques especially as applied to bacterial morphology and physiology; enrichment, isolation and identification of selected groups of microorganisms.

Text Book:—Manual of Microbiological Methods.

Second term: 1 lect. and 3 lab. periods per week.
Professor MacLeod and Staff

432a. SOIL MICROBIOLOGY

A study of some of the groups of microorganisms in the soil and their importance in the dynamics of soil processes. Methods of counting and isolating organisms and of studying soil metabolism. Ecology of the soil microbial population and its interrelationships with higher plants.

First term: 2 lects. and 2 lab. periods per week. *Professor Knowles*

434a. FOOD MICROBIOLOGY

The microbiological examination of food and of the fermentations involved in small scale and industrial processes. Principles of preservation, food poisoning, and intestinal microbiology.

First term: 2 lects. and 2 lab. periods per week. *Professor Knowles*

435a. DAIRY BACTERIOLOGY

A study of the organisms encountered during the production of milk and milk products. Principles of pasteurization and disinfection, etc.

First term: 2 lects. and 2 lab. periods per week. *Professor MacLeod*

436. PROJECTS

A project involving laboratory work will be assigned each Fourth year option student.

First term: equivalent of 3 lab. periods per week. *Staff*

437. SEMINAR

Both terms: equivalent of 1 lect. per week. *Staff*

438b. PHYSIOLOGY OF MICROORGANISMS

Principles of microbial physiology including growth, nutrition, intermediary metabolism, and industrial fermentations. The laboratory includes experiments on microbial assays, carbon balances, preparation and assay of enzyme extracts; the use of the Warburg apparatus and Thunberg tubes, etc.

Text Book:—Oginsky and Umbreit, An Introduction to Bacterial Physiology.

Second term: 2 lects. and 2 lab. periods per week. *Professor Blackwood*

DEPARTMENT OF AGRICULTURAL CHEMISTRY

Professors	R. H. COMMON, *Chairman*
	W. A. DELONG
	H. G. DION
Associate Professor	B. E. BAKER
Assistant Professors	P. A. ANASTASSIADIS
	G. O. HENNEBERRY

110. INORGANIC CHEMISTRY

Text Book:—Quagliano, Chemistry (Prentice-Hall).

Both terms: 3 lects. and 2 lab. periods per week. *Professor Henneberry*

220. ORGANIC CHEMISTRY

Fundamental concepts of organic chemistry; properties and structure of related aliphatic, aromatic and the simpler heterocyclic compounds. Laboratory work includes preparation and examination of typical organic compounds.

Text Book:—Wertheim, Textbook of Organic Chemistry (Blakiston).

Both terms: 3 lects. and 2 lab. periods per week. *Professor Baker*

331a. ORGANIC CHEMISTRY

A laboratory course designed to provide experience in laboratory methods and techniques.

First term: 1 lect. and 2 lab. periods per week. *Professor Baker*

332a. GENERAL BIOCHEMISTRY

Carbohydrates; lipids; amino-acids and proteins; properties, nature, and classification of enzymes.

Text Book:—Downes, The Chemistry of Living Cells (Harper & Bros.).

First term: 2 lects. and 2 lab. periods per week. *Professor Common*

333a. QUANTITATIVE ANALYTICAL CHEMISTRY

Application of the laws of chemical equilibration to ionization, pH., precipitations and oxidation-reduction reactions; problems in quantitative inorganic analysis. Laboratory work includes instruction in the use and care of the analytical balance; techniques of gravimetric, volumetric and colorimetric inorganic analysis; preparation of standard solutions; acidimetry and alkimetry; determinations of selected cations and anions by standard procedures.

Text Book:—Kolthoff and Sandell, Textbook of Quantitative Inorganic Analysis.

First term: 2 lects. and 4 lab. periods per week. *Professor DeLong*

334b. QUALITATIVE ANALYTICAL CHEMISTRY

Valence, theories of acids and bases, ionization, theory of co-ordination compounds and complex ions, oxidation-reduction reactions, the law of mass action in relation to solubility and precipitation. Laboratory work is devoted to the systematic identification of the more common cations and anions by semi-micro techniques.

Text Book:—Clifford, Inorganic Chemistry of Qualitative Analysis (Prentice-Hall).

Second term: 2 lects. and 4 lab. periods per week. *Professor Henneberry*

335a. QUANTITATIVE ANALYTICAL CHEMISTRY

As in Course 333a. with abridged laboratory.

First term: 2 lects. and 3 lab. periods per week. *Professor DeLong*

336b. QUALITATIVE ANALYTICAL CHEMISTRY

As in course 334b, with abridged laboratory.

Second term: 2 lects. and 3 lab. periods per week. *Professor Henneberry*

347b. PHYSIOLOGICAL CHEMISTRY

Prerequisites:—Chemistry 332a and Physics 333a. Alimentary digestion and absorption of nutrients; composition and properties of blood; gaseous exchange and acid base equilibrium; intermediate metabolism of nutrients and tissue respiration; urinary and fecal excretion; hormones.

Laboratory work parallels the lecture course and includes blood and urine analysis.

Text Book:—Downes, The Chemistry of Living Cells (Harper & Bros.).

Second term: 2 lects. and 2 lab. periods per week. *Professor Common*

354. INTRODUCTORY SOIL SCIENCE

Geology as related to soil formation; the characteristics, physical properties, and genesis of the major soil groups.

Text Book:—Lyon, Buckman, and Brady, The Nature and Properties of Soils, 5th ed. (Macmillan).

Both terms: 2 lects. and 2 lab. periods per week. *Professor DeLong*

439. PHYSICAL CHEMISTRY

An introduction to kinetic theory; the properties of solids and liquids; the phase rule; colligative properties of dilute solutions; thermochemistry and chemical kinetics.

Text Book:—Glasstone, Elements of Physical Chemistry (Van Nostrand).

Both terms: 1 lect. and 2 lab. periods per week. *Professor Baker*

440. ASSIGNED PROJECTS

Both terms: equivalent of 3 lab. periods per week. *Staff*

441. SEMINAR

Both terms: equivalent of 1 lect. per week. *Staff*

448b. PLANT BIOCHEMISTRY

Prerequisites:—Chemistry 332a and Physics 333a. Chemistry of plant nutrition with particular reference to the inorganic elements and interrelations in the metabolism of inorganic and organic substances.

Second term: 2 lects. and 2 lab. periods per week. *Professor DeLong*

450a. TEXTILE CHEMISTRY

See page 4618.

451a. CHEMISTRY OF FOODS AND FEEDING STUFFS

Principles of analysis, including a more detailed treatment of sugars, starches, oils, and fats; analytical chemistry of milk and milk products, and of certain of the vitamins.

First term: 2 lects. and 2 lab. periods per week.

Professors Common and Anastassiadis

452b. ADVANCED FOOD ANALYSIS

A specialized course including more advanced aspects of the analytical chemistry of oils and fats, of proteins and amino acids, of vitamins and of minor elements.

Second term: 2 lects. and 2 lab. periods per week.

Professors Common and Anastassiadis

453a. ELEMENTARY FOOD ANALYSIS

Proximate analysis. Chemical examinations of cereals, meats and meat products, milk and dairy products, and confectionery.

First term: 2 lects. and 1 lab. period per week.

Professors Common and Anastassiadis

DEPARTMENT OF AGRICULTURAL ECONOMICS

Professor DAVID L. MACFARLANE, *Chairman*

Associate Professor CECIL B. HAVER

100. ECONOMIC HISTORY

Evolution of economic institutions; the ancient empires; economic and social aspects of the decline and fall of the Roman Empire; mediaeval agrarian economy; fairs, towns and trading companies; mediaeval money; the voyages of discovery; religion and the rise of capitalism; nationalism and mercantilism; the colonial system; the beginnings of modern banking; the great inventions and the factory system; North American industrial development; trade unions and the co-operative movement; legislative protection of the worker; international finance; rise and fall of the gold standard; evolution of the central banking function; recent economic changes.

Both terms: 2 lects. and 1 hour conference per week. *Professor James (Faculty of Arts and Science)*

220b. PRINCIPLES OF ECONOMICS

The anatomy of the Canadian economy, especially the agricultural, household, and governmental segments. The business firm and the industry; price and output. Money; the Canadian banking system; national income and employment. The distribution of wealth and income. International trade.

Second term: 3 lects. per week. *Professor MacFarlane*

321. MONEY AND BANKING

Theory and practice of money and credit; organization and operations of financial institutions; monetary policy; concept and function of money; early history of credit institutions; the crisis of 1825, the Peel Bank Act, and the development of the British financial system; the National Banking System in U.S. and the evolution of the Federal Reserve System; early development of Canadian banking; effects of World Wars I and II and of the Great Depression on U.S., U.K., and Canadian banking; monetary policy and economic fluctuations.

Both terms: 3 lects. per week.

(*Faculty of Arts and Science*)

321H. MONEY AND BANKING

For Honours students.

Both terms: 3 lects. per week. *Professor Weldon*
(*Faculty of Arts and Science*)

330b. ECONOMICS OF MARKETING

Nature and importance of marketing. Markets and market prices. Selling and buying. Marketing margins and efficiency. Co-operation and co-operatives. Federal and provincial marketing jurisdiction and policies. The marketing of Canada's principal farm products. Marketing study tours.

Second term: 3 lects. per week. *Professor MacFarlane*

331b. ECONOMICS OF AGRICULTURE

The Canadian farm industry; the regionalism of production; the distribution of the labor force and of financial returns in Canadian agriculture; farm efficiency. The relation between agriculture and other Canadian industries. The economic background of farm policy. The international trade position of Canadian agriculture.

Second term: 3 lects. per week. *Professor MacFarlane*

332a. FARM ACCOUNTING AND FARM MANAGEMENT

The economics of farm production and farm management decisions. Farm visits followed by a detailed analysis of the business of these farms involving the preparation of farm plans and budgets covering present

332a—(cont'd)

and proposed farm management schemes. A system of single entry farm accounts involving inventories, cash receipts, and expenses; a system of production records; the analysis of farm account and production records as a means of improving efficiency of production; farm income tax.

First term: 3 lects. per week. *Professor Haver*

333. ECONOMIC ANALYSIS

An intermediate course in economic theory analyzing the forces which determine the levels of prices, production, consumption, income, and employment.

Both terms: 3 lects. per week. *Professor Haver*

361. ECONOMIC STATISTICS

Description of frequency distributions including averages, dispersion, and skewness. Charting and analysis of time series: trend lines, seasonal indexes, and measurement of cyclical fluctuations. Index numbers. Simple linear correlation. An introduction to Statistical Inference covering the following topics; elementary distributions, sampling, tests of statistical hypotheses, and estimation of population parameters.

Both terms: 3 lects. per week.

(Faculty of Arts and Science)

361H. ECONOMIC STATISTICS

For Honours students only.

Both terms: 3 lects. per week. *Professor Asimakopulos*
(Faculty of Arts and Science)

411. ADVANCED ECONOMIC THEORY

An attempt to formulate the theoretic problems on the frontiers of the science and to study attacks on these problems in the recent lieterature.

Prerequisite: Economics 311

For Honours students only.

Both terms: 3 lects. per week. *Professors Beach and Wright*
(Faculty of Arts and Science)

412. ECONOMIC ANALYSIS

Analysis of the economic problems of the firm; the determination of the demand curve; the forecasting of demand; the measurement of costs; pricing problems in various types of markets; the determination of optimum policies for such matters as advertising, packaging, and premiums.

Both terms: 3 lects. per week. *Professor Armstrong*
(Faculty of Arts and Science)

434c. PROJECT AND SPECIAL PROBLEMS

Either term: equivalent of 3 lab. periods per week. *Staff*

DEPARTMENT OF AGRICULTURAL ENGINEERING

Professor ANGUS BANTING, *Chairman*
Associate Professor J. H. COOPER

330 (ENGINEERING 522). DESCRIPTIVE GEOMETRY

Fundamentals of orthographic projection; characteristics of lines and planes; plane figures and solids; auxiliary projections; analytical solutions; dihedral angles; solutions on cones (See note after 437).

Both terms: 1 lect. and 1 lab. period per week.

332b. SPRAYING AND DUSTING EQUIPMENT

A laboratory study of spray pumps, dusting machines, spray guns, and other equipment.

Second term: 2 lab. periods per week.

334b. FARM POWER MACHINERY

A study of internal combustion engines, tractors, and power transmission.

Second term: 2 lects. and 2 lab. periods per week. *Professor Cooper*

337. MECHANICS OF MATERIALS

Resolution and composition of force systems; force polygons; centres of gravity; reactions and stresses in structures. Strength of materials.

Text Book:—Higden and Stiles, Engineering Mechanics.

Both terms: 2 lects. per week. *Professor Cooper*

338. SHOPWORK

Hand and power equipment in woodworking; structural joints and fastenings; ropework and belting.

Metals: properties and physical tests, heat treatments, forging, welding (forge, flame, arc), soldering. Machine shop techniques.

Text Book:—Ashcroft and Easton, General Shopwork.

Both terms: 1 lect. and 1 lab. period per week. *Professor Cooper*

431b. FARM BUILDINGS

Requirements, design, and construction of various farm buildings, insulation, heat loss, ventilation and sanitation.

Prerequisite:—Agr. Eng. 330 and 337.

Text Book:—Foster and Carter, Farm Buildings.

Second term: 2 lects. and 1 lab. period per week. *Professor Banting*

433a. FARM MACHINERY

A study of tillage, harvesting, and crop processing machinery. Field tests, dynamometer studies, hitches, and adjustments.

Text Book:—Smith, Farm Machinery and Equipment.

First term: 2 lects. and 2 lab. periods per week.

435. AGRICULTURAL DRAFTING

The use of drawing instruments, projection, elementary architectural drawing. Perspective, architectural, and machine drawing.

Text Book:—French and Vierek, Engineering Drawing.

Both terms: 3 lab. periods per week.

436b. PROJECTS

Second term: equivalent of 3 lab. periods per week.

437 (ENGINEERING 340). MECHANICS

Kinematics, dynamics and statics of systems of particles and rigid bodies; variable rectilinear and curvilinear motion; simple harmonic motion, translation and rotation of rigid bodies; internal forces, energy methods, impact, gyroscopes.

Text Book:—Higdon and Stiles, Engineering Mechanics (Prentice-Hall).

Both terms: 1 lect. and 1 lab. period per week. *Professor Cooper*

Note: Students taking courses 330 and 437 will sit for the examination as given in the Engineering Faculty in 522 and 340.

439a. SURVEYING AND DRAINAGE

Methods of land surveying applicable to agriculture including area surveys, levelling, mapping and profile drawing; elements of hydraulics; design and practise in both underdrainage and open ditch drainage.

Five days of field work prior to the opening date of session.

Text Book:—Roe and Ayers, Engineering for Agricultural Drainage.

First term: 2 lects. and 1 lab. period per week. *Professor Banting*

439. ENGINEERING FOR LAND DEVELOPMENT

All of the work covered in the first term in course 439a (above). Surveying and Drainage, together with the engineering aspects of erosion control, farm pond design, land clearing, and irrigation.

Text Book:—Frevert, Schwab, Edminster and Barnes, Soil and Water Conservation Engineering.

Lectures, labs and field work as prescribed for 439a for first term. Second term, 2 lectures per week. *Professor Banting*

440. FARM ELECTRIFICATION

Applied electricity, current distribution on the farm, wiring codes, motors and electric equipment for the farm.

Text Book:—Gray and Wallace, Principles and Practice of Electrical Engineering.

Both terms: 2 lects. and 1 lab. period per week. *Professor Cooper*

441 (ENGINEERING 373). STRENGTH OF MATERIALS

Stress, strain, resilience and elastic properties of materials; bending moments and shear diagrams; simple, fixed and continuous beams; torsion and bending in shafts and springs; columns; bending combined with direct stress; elementary consideration of compound stresses; distribution of shear.

Reference Books:—Morely, Strength of Materials (Longmans Green); Timoshenko-MacCullough, Elements of Strength of Materials (Van Nostrand); Warnock, Strength of Materials (Pitman); Muhlenbruch, Experimental Mechanics and Properties of Materials (Van Nostrand).

First term: 2 lects. per week.

Second term: 2 lects., 1 lab. period (at McGill) per week.

AGRICULTURE

Associate Professor CECIL B. HAVER, *Chairman*

Two orientation courses provided by the departments of Economics, Horticulture, Engineering, Animal Science and Agronomy, offering a general view of agriculture, and some consideration of the nature and problems of the various branches in relation to each other and to the sciences.

220. AGRICULTURE

Part 1: *Engineering*—Lectures and demonstrations on the role of engineering in agriculture, covering general principles of land development, farm machinery, farm power machinery (including rural electrification), farm buildings and rural sanitation. *Professor Banting and Staff*

Part 2: *Animal Science*—A series of lectures and demonstrations to introduce principles underlying the livestock and poultry industries. Breeding, feeding, management and marketing.

Professor Poirier and Staff

Part 3: *Agronomy*—Brief historical development of Agronomy, an appreciation of the relations between plant, soil and crop production.

Part 4: *Horticulture*—A survey of the fruit and vegetable industries, landscape practice, floriculture, and the secondary horticultural divisions, fruit preservation, and nursery practice in relation to other branches of agriculture.

Both terms: 3 lects. per week. *Professor Murray and Staff*

300a. AGRICULTURE

A tour to illustrate the diversity of the agricultural industry, the problems besetting a farmer, the nature of some agricultural research, the impact of climatic, edaphic and economic factors on agriculture.

Begins September 19, 1961.

Professor Steppler and Student Tour Committee

DEPARTMENT OF AGRONOMY

Professor	H. A. STEPPLER, *Chairman*
Associate Professor	R. I. BRAWN
Assistant Professors	H. R. KLINCK
	J. S. BUBAR
Instructor and Field Superintendent	W. W. KEELER

331b. CEREAL CROPS

An intensive study of cereal crops; production, types, varieties, culture, utilization, seed production, grain and seed grades.

Prerequisite:—Agronomy 345.

Second term: 2 lects. and 1 lab. period per week. *Professor Klinck*

343. FIELD CROP PRODUCTION

For students other than specialists in Agronomy. Crop adaptation, factors affecting production, forage and grain crops.

Both terms: 2 lects. and 1 lab. period per week.

Professors Bubar and Klinck

345. INTRODUCTION TO AGRONOMIC CROPS

A study of characteristics of important agronomic crops.

Prerequisite for Agronomy 331b, 432a, 446a.

First term: 2 lab. periods per week.

Second term: 1 lab. per week. *Professor Bubar*

432a HAY AND PASTURE CROPS

An intensive study of forage crops; species, varieties, adaptation, mixtures, management, preservation, and seed production.

Prerequisite:—Agronomy 345.

First term: 2 lects. and 1 lab. period per week. *Professor Steppler*

435b. PLANT BREEDING

Problems, methods, and the interpretation of results, in the breeding and improvement of plants.

Prerequisite:—Genetics 330a and Botany 433.

Second term: 2 lects. and 1 lab. period per week. *Professor Brawn*

436b. CROP ADAPTATION AND DISTRIBUTION

Factors influencing crop adaptation and their effect on distribution.

Second term: 2 lects. and 1 lab. period per week. *Professor Brawn*

438b. SOIL MANAGEMENT

An analysis of factors influencing soil productivity and their control.

Prerequisite:—Chemistry 354.

Second term: 2 lects. per week. *Professor Bubar*

442. PROJECTS

Directed study on an approved problem, requiring both oral and written presentation. Third and Fourth year students must attend all oral presentations.

Both terms: equivalent of 1 lab. period per week.

Professor Steppler and Staff

444a. STATISTICAL METHODS

Experimentation, analysis, and design in biological research.

Prerequisite:—Mathematics 331 or its equivalent. See also course Agronomy 60 in the Faculty of Graduate Studies and Research, of which this is a part.

First term: 2 lab. periods per week. *Professor Steppler*

446a. MISCELLANEOUS AGRONOMIC CROPS

A study of agronomic crops not discussed in Agronomy 331b or 432a, which are grown for the production of oil, fibre, sugar, and other products of economic importance.

Prerequisite:—Agronomy 345.

First term: 2 lects. per week. *Professor Klinck*

DEPARTMENT OF ANIMAL SCIENCE

Professors

L. E. LLOYD, *Chairman* (*Nutrition*)
E. W. CRAMPTON (*Nutrition*)

Associate Professors	M. A. MacDonald (*Physiology*) N. Nikolaiczuk (*Nutrition*) R. P. Poirier (*Breeding*)
Assistant Professors	P. A. Anastassiadis (*Biochemistry*) D. G. Dale (*Pathology*) E. Donefer (*Nutrition*) H. F. MacRae (*Biochemistry*) J. E. Moxley (*Breeding*)
Honorary Assistant Professor	H. C. Gibbs (*Pathology*)
Research Associate	R. A. Costain (*Nutrition*)

330b. PRINCIPLES OF PHYSIOLOGY

A study of the functions of the various organ systems of the mammal including the central nervous system, nerve and muscle, blood, circulation, respiration, digestion, excretion, reproduction and the endocrines.

Second term: 3 lects. per week. *Professor Dale*

331a. LIVESTOCK PRODUCTION

An introduction to principles and practices associated with livestock and poultry selection, feeding and management. For students other than specialists in Animal Science.

First term: 2 lects. and 1 lab. period per week. *Professor Moxley*

339b. ANIMAL BREEDING PRINCIPLES

Genetic fundamentals underlying the breeding of livestock including poultry. Systems of mating and selection for animal improvement.

Second term: 3 lects. and 1 lab. period per week.
Professor Poirier with Professor Moxley

430. FUNDAMENTALS OF NUTRITION

Part I. Qualitative study of the nutrients; their nature, metabolism, functions and interrelations in the operation of the metabolic machine.

Part II. Deals with some quantitative aspects of nutrition: Comparative feeding trials, nutritional balances, energy and nutrient requirements for maintenance, growth, production and reproduction. Dietary or feeding standards.

In the second term of some years, as an alternate to other laboratory work, students, with permission, may elect to participate in one or more biological projects in which rats, puppies, guinea pigs and/or the students themselves are the experimental subjects. These projects, when offered, will be scheduled by arrangement.

Both terms: 2 lects. and 1 lab. period per week.

Professors Crampton, Lloyd and Donefer

432b. APPLIED ANIMAL NUTRITION

Terms, definitions, and schemes of description used in relation to feeds and feeding: A study of individual feedstuffs leading to a classification of feedstuffs based on their functions in rations and a consideration of those characteristics which determine their use and limit the extent of their substitution; translation of feeding standards to balanced meal mixtures, feeding guides, feed legislation.

Second term: 3 lects. and 1 lab. period per week.

Professor Crampton with Professors Nikolaiczuk and Donefer

433a. ANIMAL PRODUCTION—NON-RUMINANT

Application of biological principles to management procedures for the efficient production of poultry, swine, horses, rabbits and confined fur-bearing animals.

First term: 2 lects. and 1 lab. period per week.

Professor Poirier with Professor Lloyd

434b. ANIMAL PRODUCTION—RUMINANT

The application of biological principles to management procedures for the efficient production of cattle (dairy and beef), and sheep.

Second term: 2 lects. and 1 lab. period per week.

Professor MacDonald with Professor Moxley

435a. ANIMAL PATHOLOGY

The causes of disease, including an introduction to veterinary bacteriology, virology, parasitology and toxicology. The reaction of the tissues to noxious agents. Elementary immunology and an introduction to serological diagnosis. Metabolic and specific deficiency diseases of farm livestock. The role of antibiotics, chemotherapeutic agents and disinfectants in the control of infectious diseases.

First term: 3 lects. per week. *Professor Dale with Dr. Gibbs*

436b. DISEASE CONTROL

General principles of livestock disease control including discussion of the Animals Contagious Disease Act and the "named" diseases. The recognition and methods of handling of the important specific diseases of livestock and poultry caused by bacteria, viruses, and parasites. Laboratory work includes exercises in veterinary hematology, bacteriology, immunology and parasitology. Clinical and autopsy studies of diseased farm livestock and poultry are conducted as demonstrations.

Second term: 2 lects. and 1 lab. period per week.

Professor Dale with Dr. Gibbs

437. ANIMAL PRODUCTS—THEIR NATURE AND TECHNOLOGY

A study of the formation and composition of milk, meats, eggs and wool. Analytical methods, processing procedures and market quality of animal products.

Both terms: 2 lects. and 1 lab. period per week.

Professor Nikolaiczuk with Professor Anastassiadis

438a. REPRODUCTION PHYSIOLOGY

Principles of reproduction of mammals and poultry. Anatomy and physiology of the reproductive and endocrine systems of males and females. Prenatal development and incubation. Hormones in reproduction, lactation and avian egg formation. Artificial insemination, ova transplantation, fertility problems.

First term: 2 lects. and 1 lab. period per week.

Professor MacDonald with Professors Anastassiadis and Poirier

440. PROJECT AND SEMINARS

A directed study of literature and the collection and analysis of data. Oral and written presentations of project and seminar topics are required. First term: 1 lect. and 2 lab. periods per week. (Only lecture period to be scheduled.)

Second term: 1 lect. and 1 lab. period per week.

Professor Lloyd with Staff

BIOLOGY

120. GENERAL BIOLOGY

The structure and functions of living organisms; how they live and perpetuate themselves in relation to their environment. Protoplasm, cells, tissues, organs, systems; metabolism, nutrition, perception, growth, reproduction, inheritance; ecology and evolution of plants and animals. Emphasis is placed on the higher animals and flowering plants, but surveys of both plant and animal kingdoms are included.

Both terms: 3 lects. and 2 lab. periods per week.

Professor Morrison or Professor Callen

BOTANY

210b. INTERMEDIATE BOTANY

A review of the plant kingdom with special reference to the morphology, biology, etc., of algae, fungi, bryophytes, gymnosperms and angiosperms; alternation of generations; plant parasitism and the elements of plant pathology; an introduction to comparative morphology of the angiosperms; the elements of plant geography.

Prerequisite: Biology 120 or equivalent.

Second term: 2 lects. and 2 lab. periods per week. *Professor Callen*

330b. PLANT PHYSIOLOGY

A study of the water relations, mineral nutrition, photosynthesis, respiration, growth, and development of plants.

Second term: 2 lects. and 2 lab. periods per week. *Professor Pelletier*

331b. PLANT HISTOLOGY AND CYTOLOGY

A detailed study of cells, cell division, tissues and their development, and the general anatomy of vascular plants.

Second term: 1 lect. and 2 lab. periods per week. *Professor Estey*

334a. PLANT HISTOLOGICAL METHODS

A course in methods for the preparation of plant materials for microscopic examination, and in the use of equipment for microscopy and photomicrography.

First term: 1 lect. and 2 lab. periods per week. *Professor Estey*

432a. PLANT MORPHOLOGY

A study of plant structure with special reference to higher plants.

First term: 1 lect. and 2 lab. periods per week. *Professor Callen*

433. SYSTEMATIC BOTANY

The classification of plants with special reference to angiosperms.

First term: 2 lab. periods per week.

Second term: 1 lab. period per week. *Professor Callen*

BUSINESS ADMINISTRATION

360. INTRODUCTION TO BUSINESS ADMINISTRATION

Nature, variety and scope of business; risks and the role of management; legal structure of the firm; the board of directors and trusteeship; determination of objectives and policy-making; internal organization and the delegation of authority; plant location, functional and line production; marketing objectives and channels of distribution; budgets and business

finance; the role of research; coordination and control; personnel social, obligations of business and relations with government. Attention will also be given to business case material intended to help the student to develop analytical ability, particularly for business report writing, and decision-making skill.

Both terms: 3 lects. per week. *Professor W. H. Pugsley (School of Commerce)*

ENGLISH

Assistant Professor DESMOND W. COLE
Lecurers MARGARET H. DUBREUIL
A. R. GODFREY
C. MEIR

100. ENGLISH LITERATURE AND COMPOSITION

A selection of major works in the English literary tradition from medieval to modern times. Four hours a week with one lecture and 3 tutorial meetings, one of which is given to practice and instruction in composition.

Both terms: 4 lects. per week.

Professor Cole and Members of the Department of English

225. MODERN LITERATURE

An extension of Course 116, with topics and readings drawn from the work of British, Canadian, and American writers in the period from 1880 to the present. This course may be elected by Third or Fourth year students. *Professor Cole*

Both terms: 2 lects. per week. *Professor Hall (Institute of Education)*

226. SPEAKING AND WRITING

For students who require or desire further practice in oral and written expression. Laboratory periods may be substituted for lectures. This course may be elected by Third or Fourth year students: it is required for Extension Methods 330, but should be taken, if possible, in the Second year.

All Second year degree course students must take either English 225 or English 226. The prerequisite to these courses is successful completion of Senior Matriculation English Literature and Composition, or English 114 and 116 at Macdonald College.

First term: 2 lects. per week.

Second term: 1 lect. and 1 lab. period per week.

Messrs. Godfrey and Meir

331. THE LITERATURE OF RURAL LIFE

A study of Canadian and American regional literature. The schedule of topics and readings, covering the period from pioneer settlements to

the present day, will emphasize the large place in our literature held by prose and poetry which is inspired by the land and the people who live on the land. Not given for fewer than 5 students.

First term: 1 lect. per week.

Second term: 2 lects. per week.

332. MODERN DRAMA

A reading course in modern English and American drama with special attention to trends and developments since 1900. Not given for fewer than 5 students.

First term: 2 lects. per week.

Second term: 1 lect. per week.

Professor Hall

EXTENSION METHODS

330. EXTENSION METHODS

Study group technique; extension methods in agriculture and household science; rural sociology.

Laboratory work comprises participation in debates, conduct of public meetings and similar activities. Students who elect this course will also be required to take English 226, unless this course was taken in the Second year.

Both terms: 1 lect. and 1 lab. period per week.

DEPARTMENT OF ENTOMOLOGY AND PLANT PATHOLOGY

Professors

D. KEITH MCE. KEVAN, *Chairman* (*Entomology*)

JOHN G. COULSON (*Plant Pathology, post-retirement*)

E. MELVILLE DUPORTE (*Entomology, post-retirement*)

W. E. SACKSTON (*Plant Pathology*)

Associate Professors

R. S. BIGELOW (*Entomology*)

F. O. MORRISON (*Entomology*)

R. L. PELLETIER (*Plant Pathology*)

R. H. ESTEY (*Plant Pathology*)

Assistant Professors	E. O. CALLEN (*Plant Pathology*)
	J. E. MCFARLANE (*Entomology*)
Research Associates	N. R. FRASER (*Entomology*)
	A. A. ABDEL-MALEK (*Entomology*)
Curator, Lyman Entomological Museum	VERNON R. VICKERY

See also Biology, page 4580; Botany, page 4581; Zoology, page 4593.

ENTOMOLOGY

330. INSECT MORPHOLOGY

Both terms: 2 lects. and 2 lab. periods per week. *Professor DuPorte*

333. INSECT PHYSIOLOGY

Comparative physiology with special reference to insects and other terrestrial arthropods. The elements of animal behaviour and reaction to external stimuli. *This course is offered in alternate years.* (*Not to be offered until 1962-63.*)

Both terms: 1 lect. and 2 lab. periods per week. *Professor McFarlane*

335b. SYSTEMATIC ENTOMOLOGY

The classification of the principal groups of insects. Each student will bring to the class at least 50 representatives of the main orders of insects which he has collected, mounted and labelled according to instructions given.

Second term: 4 lab. periods per week. *Professor Bigelow*

433. ECONOMIC ENTOMOLOGY

The principles and practice of Applied Entomology from a professional standpoint, including a survey of the Class Hexapoda with special reference to biological and economic aspects. A representative collection of economic insects including at least 50 adults, 20 larvae, and five complete life history sets will be required of all students taking this course.

Both terms: 2 lects. and 2 lab. periods per week. *Professor Morrison*

434b. GENERAL ENTOMOLOGY

A more elementary course similar to the foregoing, but suited to the general student. A collection of 25 adult insects, 10 larvae, and one complete life history set, representative of common economic insects, will be required of each student taking the course.

Second term: 2 lects. and 2 lab. periods per week. *Professor Morrison*

435. PRINCIPLES OF TAXONOMY

A course in the principles of variation in animals, species formation taxonomic theory and method, etc. *This course is offered in alternate years.*

(*Given 1961-62.*)

Both terms: 2 lects.and 2 lab. periods per week. *Professor Bigelow*

436. TERRESTRIAL ECOLOGY

The influence of the environment on development, activities, distribution, and abundance with particular reference to insects. Methods and principles of animal ecology and zoogeography. *This course is offered in alternate years.*

(*Given 1961-62.*)

First term: 1 lect. and 1 lab. period per week.

Second term: 2 lects. and 1 lab. period per week. *Professor Kevan*

437. SEMINAR

Presentation and discussion of reports on assigned topics and recent work in Entomology and Zoology.

Both terms: Equivalent of 1 lab. period per week.

Professor Bigelow and Staff

438. PROJECTS

Individual problems entailing private investigation will be allotted to each student at the end of his Third year.

Both terms: equivalent of 2 lab. periods per week. *Staff*

439. ARACHNOLOGY AND SOIL ENTOMOLOGY

The biology and systematics of mites, ticks, spiders, myriapods, collembola, etc.; the arthropods associated with soil and litter. *This course is offered in alternate years.*

(*Given 1962-63.*)

First term: 1 lect. and 1 lab. period per week.

Second term: 2 lects. and 1 lab. period per week. *Professor Kevan*

For other courses, see ZOOLOGY, page 4593.

PLANT PATHOLOGY

330b. TECHNIQUE

The preparation of media; sterilization, isolation, cultural and inoculation methods. Elementary glass blowing, colorimetry, chromatography, etc. Methods of reviewing literature and preparing illustrations.

Second term: 1 lect. and 2 lab. periods per week. *Professor Pelletier*

331a. DISEASES OF PLANTS

A study of common diseases, with emphasis on disease expression, causation, ecology, and principles underlying plant disease control.

First term: 2 lects. and 2 lab. periods per week. *Professor* ———

333a. MYCOLOGY

An introductory course in the study of the fungi, emphasizing species which are common or economically important in Canada.

First term: 2 lects. and 2 lab. periods per week. *Professor Estey*

337b. DISEASES OF FIELD AND FOREST CROPS

The distribution, economic importance, symptoms, cause and control of diseases of major field and forest crops.

This course is given only in alternate years. *Given in 1961-62.*

Prerequisite:—Plant Pathology 331a.

Both terms: 2 lects. and 2 lab. periods per week.

Professors Sackston and Estey

434. PROJECTS

One or more problems entailing private investigation will be allotted each student.

Both terms: equivalent of 2 lab. periods per week. *Staff*

435. SEMINAR

A course entailing reading, discussion, appreciation, and criticism of research articles, monographs, etc., in the general fields of Botany, Mycology, and Plant Pathology.

Both terms: equivalent of 1 lab. period per week.

Professor Sackston and Staff

436. PLANT PATHOLOGY II

Detailed studies of plant diseases; distribution, economic importance, symptoms, cause, and control.

Basidiomycetous, fungi imperfecti, bacterial, and virus diseases.

(*Discontinued after 1961-62.*)

Both terms: 2 lects. and 2 lab. periods per week.

Professors Coulson and Estey

437b. DISEASES OF HORTICULTURAL CROPS

The distribution, economic importance, symptoms, cause and control of diseases of major horticultural crops.

This course is given only in alternate years. *Given in 1962-63.*

Prerequisite:—Plant Pathology 331a.

Both terms: 2 lects. and 2 lab. periods per week.

Professors Sackston and Estey

FOODS

326. INTRODUCTORY FOODS

Study of the marketing, selection, preparation and service of foods. Menu planning for special occasions is included.

(This course represents a modified form of Food 226 and will be given in association with that course.)

Both terms: 1 lect. and 2 lab. periods per week.

(School of Household Science)

434a. EXPERIMENTAL FOODS

See School of Household Science, page 4621.

FOOD MANAGEMENT

400. SEMINAR

The student will be required in each term to prepare a seminar on a selected topic and to conduct this seminar with the group deemed most appropriate for the set topic, viz., Dietetics, Economics, Bacteriology, Nutrition or Horticulture. The necessary arrangements will be made by the chairman of the option.

Both terms: 1 lect. per week.

Professor David

FRENCH

100 A and B.

French is the only language of communication in this course. Students are divided into two groups according to entrance qualifications. Both groups study French culture, contemporary short stories, grammar, on a level adapted to their respective capabilities. Each group is subdivided into a number of smaller sections for class work. Texts will be indicated when the groups are established.

Both terms: 3 lects. per week.

Professor S. C. M. Hawkins and Mr. G. W. E. McElroy
(Institute of Education)

300. Aim: practice in French for students who expect to work in Quebec Province; preparatory work for postgraduate students who intend to meet second language requirements in French. Emphasis will depend on needs of students enrolled. *Prerequisite:* Quebec High School Leaving French or equivalent. *Content:* writing, reading and oral practice. *Elective.*

Both terms: 2 lects. per week.

Professor Hawkins
(Institute of Education)

DEPARTMENT OF GENETICS

Professor — J. W. Boyes, *Chairman*
Associate Professors — R. I. Brawn; W. F. Grant

330a. ELEMENTARY GENETICS

The modern concept of inheritance, applicable to both plants and animals, including reference to human inheritance.

First term: 3 lects. and 2 lab. periods per week. *Professor Brawn*

Note: Genetics 62a, Cytology, Genetics 62b, Cytogenetics, Genetics 63b, Microbial Genetics, Genetics 64b, Statistical Methods in Genetics, and Genetics 65a, Mutagenesis and Radiation Biology, listed in the announcement of the Faculty of Graduate Studies and Research, are offered at Macdonald College and may be elected by senior undergraduate students by permission of the instructor concerned.

HISTORY

100. EUROPEAN CIVILIZATION IN MEDIEVAL AND MODERN PERIODS.

The medieval period is studied in terms of its typical institutions: the Empire, the Papacy, feudalism, the gild, the dynastic state, etc. In the modern period, main emphasis is laid on the emergency of the Great Powers and the long-term problems, at home and abroad, which conditioned their policies.

Both terms: 3 lects. per week. *Mr. Vogel*
(*Faculty of Arts and Science*)

HOME ECONOMICS EDUCATION

441a METHODS OF TEACHING

See page 4622.

DEPARTMENT OF HORTICULTURE

Associate Professors — H. R. Murray, *Chairman*; C. D. Taper
Assistant Professor — Jean David
Lecturer — P. M. Harney

338. POMOLOGY (TREE FRUITS AND SMALL FRUITS)

A study of the general principles and practices of tree fruit and small fruit production, including geography, varieties, cultural practices, pruning, growth and fruiting habits, harvesting and marketing.

Both terms: 2 lects. and 1 lab. period per week. *Professor Taper*

(*Given in 1961-62.*)

340b. PLANT PROPAGATION

Principles and practices of plant propagation including the construction and management of propagating structures, the germination of seeds, rooting of cuttings, multiplication of bulbs and the propagation of plants by budding and grafting.

Second term: 1 lect. and 1 lab. period per week. *Miss Harney*

345a. HORTICULTURAL CROPS

A general course in horticulture for non-specialists covering the principles of fruit and vegetable production, storage and processing of horticultural crops, and the commercial production of ornamental plants.

First term: 3 lects. per week. *Professor Murray and Staff*

431. VEGETABLE CROPS

The principles of vegetable growing including economic importance, geography, types and varieties, cultural requirements, and a survey of recent results of research as applied to the most important crop plants. (*Not to be offered until 1962-63.*)

Both terms: 2 lects. and 1 lab. period per week. *Professor Murray*

432a. LANDSCAPE ARCHITECTURE

Description, characteristics, and identification of ornamental plants, nursery practices and care of plant material. A brief history of gardens and architecture. Landscape design, plans, sketches, drafting, and construction specifications, as applied to rural and urban homes, estates, parks and playgrounds, etc.

Prerequisite:—Agricultural Engineering 439a.

First term: 2 lects. and 2 lab. periods (Horticulture Barn) per week. *Miss Harney*

435b. FLORICULTURE

An introductory course in the propagation, production and forcing of commercial florist crops. Careful consideration is given to the physiological factors governing the growth of plants under greenhouse conditions.

Prerequisite:—Botany 330b.

Second term: 2 lects. per week. *Miss Harney*

443a. STORAGE AND HANDLING OF HORTICULTURAL CROPS

The post-harvest chemistry and physiology of horticultural crops as they affect quality and marketability; handling methods at and after harvest; principles and practices in precooling, storage, transportation and packaging.

Prerequisite:—Botany 330b.

Text Book: Smock and Neubert, Apples and Apple Products.

First term: 1 lect. and 1 lab. period per week. *Professor David*

444b. FRUIT AND VEGETABLE PROCESSING

The principles and practices of food processing with emphasis on canning, freezing and dehydration; survey of the newer methods of food preservation such as the use of radiation and antibiotics; quality control, grading and sanitation are discussed.

Second term: 2 lects. and 1 lab. period per week. *Professor David*

437. SEMINAR

Directed study on an approved problem requiring both oral and written presentations. In addition, each student will prepare and present a number of short talks on some general subject of interest to horticulturists.

Both terms: equivalent of 1 lab. period per week.

Professor Murray and Staff

INSTITUTIONAL ADMINISTRATION

442b. ORGANIZATION AND MANAGEMENT

See page 4624.

443b. PRINCIPLES OF ACCOUNTING AND COST CONTROL

See page 4624.

445a. KITCHEN PLANNING AND EQUIPMENT

See page 4624.

LAW

1. COMMERCIAL LAW

Law of contracts, sale, agency, partnership, company law, and negotiable instruments.

Both terms: 3 lects. per week. *Professor R. S. Willis (School of Commerce)*

MATHEMATICS

110. PLANE TRIGONOMETRY, ALGEBRA, ANALYTICAL GEOMETRY

An integrated course at the First year college level including radian measure, logarithms, relations between the trigonometrical functions, addition formulae, sums and products, solution of triangles, inverse functions, solution of trigonometric equations, variation, progressions, permutations and combinations, mathematical induction, binomial theorem, theory of quadratic equations, equations of straight line and circle.

Both terms: 3 lects. per week.

Professors Carter, Crook, Henry, Rowles, Warkentin

220. CALCULUS

Analytical geometry, differential and integral calculus.

Both terms: 3 lects. per week. *Professor Rowles (Physics)*

330a. ELEMENTARY DIFFERENTIAL EQUATIONS

An introduction to differential equations with selection applications in physical, chemical, and biological science.

First term: 2 lects. per week. *Professor Carter (Physics)*

331b. ELEMENTARY STATISTICS

Measures of central tendency and variability; normal frequency curve; tests of significance of differences between means; non-parametric methods; regression and correlation; binomial, Poisson and Chi-square distributions, sampling; simple analysis of variance.

Second term: 3 lects. per week. *Professor Warkentin (Physics)*

NUTRITION AND DIETETICS

441. DIET THERAPY

See page 4625.

DEPARTMENT OF AGRICULTURAL PHYSICS

Professor WILLIAM ROWLES, *Chairman*

Assistant Professors B. P. WARKENTIN
A. L. CARTER

112. GENERAL PHYSICS

An introductory course covering mechanics, heat, light, sound, electricity and magnetism at the first year college level. Fundamental principles are taught through demonstrations, laboratory work, and numerical examples.

Both terms: 3 lects. and 1 lab. period per week. *Professor Rowles*

222. GENERAL PHYSICS

A continuation course which covers the same ground as Physics 112 but with more intensive treatment. Certain topics will receive special emphasis and additional phases of the subject will be considered.

Both terms: 3 lects. and 1 lab. period per week. *Professor Carter*

333a. BIOPHYSICS

(Prerequisite to Chemistry 347b and 448b.) A study of the gas laws, osmosis, surface phenomena, electrolytic dissociation, pH, colloidal state, use of electron microscope, X-rays and radio-active rays in biology, etc.

First term: 2 lects. and 2 lab. periods per week.

Professors Rowles and Warkentin

340a. BIOPHYSICS

An abridged course covering selected parts of Physics 333a.

First term: 1 lect. and 1 lab. period per week.

Professors Rowles and Warkentin

432b. METEOROLOGY

Weather elements, atmospheric processes, climate near the ground with emphasis on heat and moisture balance.

Second term: 1 lect. per week. *Professor Warkentin*

436a. SOIL PHYSICS

Particle size distribution, properties of clays, soil structure genesis and measurement, soil water tension, water movement, and soil temperature.

First term: 1 lect. and 1 lab. period per week. *Professor Warkentin*

438. MOLECULAR AND ATOMIC PHYSICS

A discussion of kinetic theory including Maxwell's distribution law, the laws of thermodynamics, atomic structure, charge on the electron, isotopes, circular orbit theory for hydrogen, vacuum tubes, X-rays and crystal structure, radioactivity, etc. A portion of the time is devoted to laboratory work.

Both terms: 2 lects. per week. *Professor Carter*

SOCIOLOGY

430c. INTRODUCTION TO SOCIOLOGY

An examination of the patterns of our society, with emphasis on group relationships. The course covers a general introduction to sociological theory, the social development of the individual, ethnic and class groupings, characteristics of urban and rural life, social change and institutional structures. *Elective.*

Either term: 3 lects. per week. *Mrs. MacFarlane*

DEPARTMENT OF WOODLOT MANAGEMENT

Assistant Professor A. R. C. JONES, *Chairman*

330a. WOODLOT MANAGEMENT

Principal trees of Eastern Canada; classification of forest regions, types and stands; use of chain, compass and sample plots in forest inventories; volume measurements of trees, logs and woodlot products; silvicultural cutting methods to improve and perpetuate the woodlot; study of growth; calculation of allowable cut for sustained yield; plantation techniques and improvements; woodlot protection; demonstration of mechanical cutting tools; management plans and records; marketing possibilities.

First term: 1 lect. and 1 lab. period per week. *Professor Jones*

ZOOLOGY

230a. INTERMEDIATE ZOOLOGY

A review of the animal kingdom with special reference to the morphology, biology, etc., of protozoa, flatworms, roundworms, annelids, molluscs, arthropods and chordates; the elements of entomology; animal parasitism; alternation of generations; an introduction to embryology and the comparative morphology of vertebrates; the elements of zoogeography.

Prerequisite: Biology 120 or equivalent.

First term: 2 lects. and 2 lab. periods per week.

Professors Kevan and McFarlane

332b. ZOOLOGICAL TECHNIQUE

The preparation of histological slides and the technique of making scientific illustrations.

Second term: 2 labs. per week. *Professor McFarlane*

431. COMPARATIVE VERTEBRATE ANATOMY

A general course on vertebrate morphology, comparative anatomy and evolution. *This course is offered in alternate years.* (*Given in 1961-62.*)

First term: 1 lect. and 1 lab. period per week.

Second term: 2 lects. and 1 lab. period per week. *Professor Bigelow*

434. PARASITOLOGY

An introduction to the study of invertebrates of economic importance with special reference to veterinary and medical aspects and the occurrence of animal and plant diseases due to animal pathogens and vectors. *This course is offered in alternate years.*

(*Given in 1962-63.*)

First term: 1 lect. and 1 lab. period per week.

Second term: 2 lects. and 1 lab. period per week. *Professor Kevan*

AGRICULTURE SPECIALIST TEACHER'S CERTIFICATE

Holders of the B.Sc.(Agr.), in the General Agriculture, Agronomy, Animal Science, Horticulture or Agriculture Engineering options may enroll for a year of post-graduate study under the direction of the Institute of Education to qualify for the Agriculture Specialist Teacher's Certificate granted by the University. Such a training will complete the requirements for the High School Diploma of the Province of Quebec and will include special training and teaching practice relative to the Agricultural Sciences.

There are openings for qualified teachers trained in agricultural science in the High Schools of Quebec and other provinces. As well as teaching agriculture, many appointments will require the teaching of other subjects including general specialized science, shop work and farm mechanics. Consequently candidates for the Specialist Teacher's Certificate receive training in general teaching as well as in their special subject areas. In addition to the academic and professional courses offered, an excellent program of supervised practice teaching gives candidates the opportunity of becoming familiar with the work of the schools. Candidates should have an interest in agriculture, an appreciation of rural life, some practical experience in farming, and a genuine interest in working with high school children.

The charge for the tuition is $235.00, and other charges for room and board and for student activities are the same as for students in the Institute of Education. Application for admission should be sent to the Registrar, Macdonald College, Que.

CURRICULUM

ENTRANCE REQUIREMENT:—B.Sc.(Agr.), in the General Agriculture, Agronomy, Animal Husbandry, Poultry Husbandry, Horticulture, or Agriculture Engineering options.

COURSES IN THE INSTITUTE OF EDUCATION

Division One — English 225—Modern Literature (if not completed during the B.Sc.(Agr.) course), terminal courses in English and French.

Division Two — Education 500, Education 501—History of Education in Western Society, Education 502—Graduate Seminar.

Division Three — Education 510—Method of instruction, Education 512—The Child at School.

Division Four — Education 520—General Teaching Practice.

GRADUATE COURSES

Graduate work, under the Faculty of Graduate Studies and Research, McGill University, Montreal, may be taken at Macdonald College, in Agronomy, Animal Science (Animal Breeding, Animal Pathology, Animal Physiology or Nutrition), Bacteriology, Chemistry, Entomology, Horticulture, Parasitology, and Plant Pathology. The advanced courses of study offered lead to the degrees of Master of Science and Doctor of Philosophy.

Graduates who have completed three full courses or their equivalent in the Department of Economics at Macdonald College and who, in addition, have completed at least two full courses in the Department of Economics and Political Science or their equivalent with at least second class honours, may register in the Faculty of Graduate Studies and Research to proceed toward the degree of Master of Arts.

A number of scholarships and student assistantships are available.

The Faculty of Graduate Studies and Research issues an Announcement giving full information regarding graduate courses, and scholarships, theses, registration, etc., in connection therewith, which will be sent on application to the Dean of the Faculty of Graduate Studies and Research, McGill University, Montreal or to the Dean of the Faculty of Agriculture, Macdonald College, Que.

Diploma Course

This is a two-year course of about five and one-half months' duration each year. It commences about October 15th and finishes March 31st. This period is selected so as to interfere as little as possible with farm operations. The course is intensely practical in nature, having the following objectives:

—to provide the best possible training in modern agricultural practice;

—to equip the student to understand the problems of agriculture and to provide the knowledge required to approach their solution intelligently;

—to inspire the student with pride in farming and with a determination to work for its improvement; and

—to prepare the student for leadership in the rural community.

The work of the First year and the first term of the Second year is taken by all students in common. In the last term of the Second year certain courses are taken by all students, but each student must choose a special interest and take the additional group of courses specified by the Department of his choice. Groups of courses are offered for those with special interests in Agronomy, Animal Science and Horticulture. The student must state his interest on the registration form at the beginning of the Second year, but is strongly advised to make his choice before the end of the First year and to consult with the chairman of the Department concerned. In the event that too few students select any one group in any year, the courses of that group may not be offered in that year.

DIPLOMA COURSE ENTRANCE

1. For general requirements, see page 4533.

2. Students must have passed their seventeenth birthday before commencing the course.

3. The educational requirement is Grade IX or its equivalent. Students should have a good practical knowledge of farming, either coming from a farm or having worked for at least one full season on an approved Eastern Canadian Farm.

Information on other matters of concern to Diploma students is found on the pages indicated: Registration p. 4520, Residence p. 4521, Conduct and Discipline p. 4523, Leave of Absence p. 4526, Fees p. 4527, Health Service p. 4530, Prov. Govt. Grant p. 4630.

SYLLABUS

Diploma Course

	Course Numbers	Unit Value	Periods per Week		Term Taken
			Lects.	Labs.	
FIRST YEAR					
Agricultural Engineering					
Agricultural Mechanics	11	10	3	2	Both
Agronomy					
Soils and Soil Management	11a	3	3	..	First
Grain and Miscellaneous Crops	19b	3	2	1	Second
Animal Science					
Principles of Livestock Improvement	11	6	2	1	Both
Animal Anatomy and Physiology	12a	3	2	1	First
Bacteriology	11b	2	1	1	Second
Biology					
Agricultural Botany	11a	3	2	1	First
Zoology	13a	3	2	1	First
Chemistry	11b	3	2	1	Second
Economics	17b	3	3	..	Second
English	12	6	3	..	Both
Farm Forestry	11a	3	1	2	First
Horticulture					
General Horticulture	15b	4	3	1	Second
Mathematics	11	4	2	..	Both
Physical Training	11	4	..	2	Both
SECOND YEAR					
Agricultural Engineering					
Agricultural Mechanics	21	10	3	2	Both
Agronomy					
Weeds and Weed Control	21a	3	2	1	First
Hay and Pasture Crops	23a	4	3	1	First
Animal Science					
Animal Feeds and Feeding	21	4	2	..	Both
Biology					
Pest Control	21b	2	2	..	Second
Economics					
Farm Accounting and Management	28a	4	3	1	First
English	27	4	1	1	Both
Extension Methods	21b	1	..	1	Second
Physics	26a	3	1	2	First
Project	26	4	..	2	Both
Additional Courses required by groups					
Agronomy Group					
Agronomy					
Seed Production	22b	3	2	1	Second
Crop Management	27b	3	2	1	Second
Horticulture					
Vegetable Cash Crops	22b	3	2	1	Second
Animal Science Group					
Agronomy					
Crop Management	27b	3	2	1	Second
Animal Science					
Animal Products—their Nature and Technology	22b	6	4	2	Second
Animal Production	23a	4	3	1	First
*Applied Animal Production	24b	3	..	3	Second
Animal Disease Control	25b	3	2	1	Second
Horticulture Group					
Horticulture:					
Commercial Handling	21b	3	2	1	Second
and any two of:					
Vegetable Cash Crops	22b	3	2	1	Second
Fruit Cash Crops	23b	3	2	1	Second
Ornamental Horticulture	24b	3	2	1	Second

*For 1961-62, substitute Animal Science 11.

DESCRIPTION OF DIPLOMA COURSES

Courses designated "a" are given in first term only.

Courses designated "b" are given in the second term only.

Courses with no letter designation continue throughout both terms.

For Timetable Information see pages 4646 to 4650.

AGRICULTURAL ENGINEERING

11. AGRICULTURAL MECHANICS

Composed of three sections—Farm Machinery, Farm Power Machinery, and Farm Buildings.

FARM MACHINERY SECTION—Lectures: study of machines on farm, field and in barns, as feed grinders, mixers, elevators, dairy equipment, etc. Lab work: field tests to show effectiveness of adjustment, draft of machines, overhaul of machines. *Professor Cooper*

FARM POWER MACHINERY SECTION—Lectures: Gas and Diesel engines as in farm tractor, importance and care of various systems, effects of adjustments, electric motors. Laboratory: testing power output, overhaul tractor engines, and electric motors. *Professor Cooper*

FARM BUILDINGS SECTION—Lectures: farmstead layout, importance of various buildings in different types of enterprise. Study of various buildings and structural equipment (ventilation, etc.) Lab.: Use of hand and power woodworking tools, concrete work, wood treatment and protection.

Both terms: 3 lects. and 2 lab. periods per week. *Professor Banting*

21. AGRICULTURAL MECHANICS

Composed of four sections—Surveying, Drainage, Rural Sanitation, Farm Shop.

SURVEYING SECTION—Lectures: Theory of measuring and levelling. Labs.: Practise work using chain and levels. *Professor Banting*

DRAINAGE SECTION—Lectures: Importance of underdrainage, and practical application of theory of drainage, open ditch work, farm pond design, irrigation. No Labs. *Professor Banting*

RURAL SANITATION SECTION—Lectures: Sources of water, contamination, and treatment, pumps and systems, sewage disposal. Labs.: simple plumbing problems. *Professor Banting*

FARM SHOP SECTION—Lectures: Safety of operations, use of tools, some theory where desirable. Labs: Metal working in forge, oxy-acetylene and electric welding, filing, tapping, drilling, threading, soldering, etc.

Both terms: 3 lects. and 2 lab. periods per week. *Professor Cooper*

AGRONOMY

11a. SOILS AND SOIL MANAGEMENT

Classes of soil, tillage, rotation, manure, fertilizer, lime, drainage, etc. will be studied with a view to enabling the student to manage the soil on his own farm to best advantage.

First term: 3 lects. per week. *Professor Bubar*

19b. GRAIN AND MISCELLANEOUS CROPS

These crops will be studied from the standpoints of their importance, variety, culture and management.

Second term: 2 lects. and 1 lab. period per week. *Professor Klinck*

21a. WEEDS AND WEED CONTROL

Weeds will be studied from the standpoint of their relative importance as crop contaminants, their control by chemical and cultural means. Each student is required to make a collection of 20 farm weeds, suitably mounted. This collection will be used in the laboratory.

First term: 2 lects. and 1 lab. period per week. *Mr. Keeler*

22b. SEED PRODUCTION

The problems of production of seed of agronomic crops; cleaning of seed; special attention to pedigreed seed, Acts and Regulations governing seed.

Second term: 2 lects. and 1 lab. period per week. *Mr. Keeler*

23a. HAY AND PASTURE CROPS

These crops will be studied from the standpoints of their importance, variety, culture, management and preservation.

First term: 3 lects. and 1 lab. period per week. *Professor Bubar*

27b. CROP MANAGEMENT

Factors determining the crops to grow, cropping schemes for typical situation in Eastern Canada.

Second term: 2 lects. and 1 lab. period per week. *Professor Steppler*

ANIMAL SCIENCE

11. PRINCIPLES OF LIVESTOCK IMPROVEMENT

The fundamental principles underlying the breeding, reproduction and management of animals and the application of these principles to the improvement of livestock including poultry.

Both terms: 2 lects. and 1 lab. period per week.
Professor Moxley with Professors MacDonald and Poirier

12a. ANIMAL ANATOMY AND PHYSIOLOGY

A study of the structure and function of the various organ systems of farm animals with special reference to those features associated with animal production.

First term: 2 lects. and 1 lab. period per week.
Professor MacDonald with Professor Dale

21. ANIMAL FEEDS AND FEEDING

Nutrients in feeds and their function in the body. A study of common feeds and their use in animal rations. Ration formulation and feeding programs.

Both terms: 2 lects. per week.
Professor Lloyd with Professors Nikolaiczuk and Donefer

23a. ANIMAL PRODUCTION

Management practices associated with specialized production of cattle (dairy and beef), sheep, swine, poultry (broilers and layers), rabbits and confined fur-bearing animals.

First term: 3 lects. and 1 lab. period per week.
Professor Moxley with Professor Poirier

22b. ANIMAL PRODUCTS—THEIR NATURE AND TECHNOLOGY

The composition of milk, meats, eggs, wool. Processing of milk and meat products. Market grades and factors determining commercial quality of animal products.

Second term: 4 lects. and 2 lab. periods per week.
Professor Anastassiadis with Professor Nickolaiczuk

24b. APPLIED ANIMAL PRODUCTION

A specific project of a practical nature in livestock or poultry production to be undertaken by each student.

Second term: 3 lab. periods per week. *Professor Nikolaiczuk with Staff*

25b. ANIMAL DISEASE CONTROL

The causes and consequences of disease. General principles of disease prevention, treatment and sanitation.

Second term: 2 lects. and 1 lab. period per week. *Professor Dale*

BACTERIOLOGY

11b. AGRICULTURAL BACTERIOLOGY

Bacteria in relation to water, sewage, milk, and soil fertility; fermentations, food preservation and food poisoning.

Second term: 1 lect. and 1 lab. period per week. *Professor Knowles*

BIOLOGY

11a. AGRICULTURAL BOTANY

The course consists of a study of the fundamentals of growth and reproduction processes in plants. The botany of economic plants will be studied as much as possible and consideration given to weeds and weed seeds and their control.

First term: 2 lects. and 1 lab. period per week. *Professor Pelletier*

13a. ZOOLOGY

An elementary treatment of (1) mammalian structure and physiology and (2) the structure, behavior, habits and classification of insects, and the general principles of pest control.

First term: 2 lects. and 1 lab. period per week. *Professor Morrison*

21b. PEST CONTROL

The student prepares, under supervision, notes on the recognition, habits and control of 20 or more pests of crops or animals of special interest to him.

Second term: 2 lects. per week. *Professors Estey and Morrison*

CHEMISTRY

11b. Elementary Chemistry, with applications to soils, fertilizers, feeding stuffs, and insecticides and fungicides.

Second term: 2 lects. and 1 lab. period per week. *Professor Henneberry*

ECONOMICS

17b. INTRODUCTION TO THE ECONOMICS OF CANADIAN AGRICULTURE

Science and economics. Nature of the Canadian economy. The place of agriculture in the Canadian economy. Land use and tenure in Canada. The production, marketing, and consumption of farm products in Canada—principles, products, and problems. One lecture period each week will be used as a discussion period.

Second term: 3 lects. per week. *Professor MacFarlane*

28a. FARM ACCOUNTS AND FARM MANAGEMENT

A system of single entry farm accounts involving inventories, cash receipts and expenses; a system of production records; the analysis of farm account and production records as a means of improving efficiency of production; farm income tax. A study of the economic guides to farm management decisions. A farm visit followed by (1) detailed study of the farm visited, and (2) the development of alternative farm management plans using the budget method.

First term: 3 lects. and 1 lab. period per week. *Professor Haver*

ENGLISH

The students will be divided into a Senior and a Junior Group according to their attainments in English Speech and Literature.

12. Literature, written composition, and public speaking are included in the course.

Both terms: 3 lects. per week. *Mr. Godfrey*

27. Lectures, laboratory work, including supervised reading course, instruction in practical forms of writing, and debating.

Both terms: 1 lect. and 1 lab. period per week. *Mr. Meir*

EXTENSION METHODS

21b. EXTENSION METHODS

Parliamentary procedure; study group techniques; organizing and planning of meetings; operation of Junior Clubs; use of Visual aids; rural sociology.

Second term: 1 lab. period per week.

FARM FORESTRY

11a. Principal trees of Eastern Canada and their silvicultural characteristics; woodlot protection; requirements of good forest communities. Volume estimates of trees, logs and pulpwood, measurement of lumber; use of

compass and pacing in woodlot cruising; calculation of annual cut; cutting methods as applied to even and uneven-aged forests; cultural measures to improve the woodlot; logging practices; reforestation, windbreaks and Christmas tree crops; marketing of products; management of maple groves.

First term: 1 lect. and 2 lab. periods (Arboretum) per week.

Professor Jones

HORTICULTURE

15b. GENERAL HORTICULTURE

A general course dealing with the principles of farm horticulture including the farm garden, the improvement of the home surroundings, potato production, the farm orchard and small fruit plantations, and home storage.

Second term: 3 lects. and 1 lab. period per week.

Professor Murray and Staff

21b. THE COMMERCIAL PACKAGING, HANDLING, AND STORAGE OF HORTICULTURE PRODUCTS

Storages and storage practices. Canning, quick freezing and other means of food preservation will be considered.

Second term: 2 lects. and 1 lab. period per week. *Professor David*

22b. VEGETABLE CASH CROPS

The production of potatoes for table stock, and for processing; the production of canning crops such as peas, beans, sweet corn, and tomatoes. The possibilities offered by the consumer market for first day fresh sweet corn and early tomatoes will also be considered.

Second term: 2 lects. and 1 lab. period per week. *Professor Murray*

23b. FRUIT CASH CROPS

The production of raspberries and strawberries for market and for processing.

Second term: 2 lects. and 1 lab. period per week. *Professor Taper*

24b. COMMERCIAL ORNAMENTAL HORTICULTURE

A consideration of commercial nurseries and nursery practices, turf farming, and the operation of garden centres.

Second term: 2 lects. and 1 lab. period per week. *Miss Harney*

Students in the Horticulture Group must take 21b and any two of the following three courses—22b, 23b, 24b.

MATHEMATICS

11. A review of elementary arithmetic; decimals, percentage, ratio and proportion, mensuration; agricultural problems.

Both terms: 2 lects. per week. *Professor Banting*

PHYSICAL TRAINING

11. Compulsory for all first year Diploma students, the course offers practical skills, organizational data and the teaching methods for use in rural recreational programs. Emphasis is placed on Water Safety and swimming in which successful candidates may secure Red Cross Swimming Certificates.

Both terms: 2 periods per week. *Mr. Pugh*

PHYSICS

26a. An elementary course dealing with the fundamental principles of Physics and their application in agricultural practice.

First term: 1 lect. and 2 lab. periods per week. *Professor Rowles*

PROJECT

26. A Project is required of each Second year student. This will consist of a detailed analysis of the operation of a Canadian farm, and projected plans for the enterprises selected by the student to provide for full farm operations covering a period of five or more years. As part of the detailed analysis of the present operation a questionnaire will be filled out. This questionnaire will form part of the full submission which must be in the hands of the Director of the Diploma Course not later than March 1st.

Questionnaire forms and detailed instructions covering the method of procedure and the form of the submission will be distributed to the students before the close of the Spring term of the First year.

Both terms: equivalent of 2 labs. per week.

Supervising Committee: *The Diploma Course Committee,*
Professor Banting (Chairman)

DIPLOMA COURSE EXAMINATIONS

All students are required to give satisfactory evidence of mastery of the material of lecture and laboratory. Examinations are held at the end of the first term in all courses given and at the end of each course. The examiner will pass in to the Registrar the final mark giving the standing of each student in all the work of the course.

The pass mark in all examinations is 50 per cent. First Class standing is 80 per cent and over, Second Class standing is 65 to 79 per cent, Pass standing is 50 to 64 per cent. Credit in Physical Training 11 is based on regular attendance and satisfactory effort. A pass is required for the Diploma but no numerical mark will be assigned.

For purposes of evaluation a full course consists of two lectures and two laboratory periods per week for one term or its equivalent and is rated at 4 units. One lecture equals one laboratory period. More or less than full courses are rated proportionately. Students conditioned in papers of an aggregate value of 10 units or less are required to write supplemental examinations in those subjects. Students conditioned in papers having an aggregate value of more than 10 units are considered as having failed in the year's work.

Students who fail in the First year of the Diploma Course in Agriculture are not permitted to repeat the year, except by special action of the Faculty.

A student who is allowed to repeat a year may, by special permission be exempted from attending lectures and passing examinations in one or more subjects in which he has already passed creditably and be required to take one or more subjects of the following year in his course. The choice of subjects must involve no conflict of hours in the time table.

Examination in any subject may be refused because of absence without accepted excuse from one or more classes in the subject. See page 4524.

REGULAR SUPPLEMENTAL EXAMINATIONS

Regular supplemental examinations are held immediately preceding opening of lectures in October, and following the sessional examinations in the spring.

Every candidate for a regular supplemental examination is required to fill out an application form for such examination and to return it with the necessary fee ($10.00 per paper) at least three weeks before the examination begins. Application forms may be obtained from the Registrar.

The student passing a supplemental examination will be credited on his record with a pass, no mark being recorded.

B.Sc. (H.Ec.) Course

This is a four year professional course for women leading to the degree of Bachelor of Science in Home Economics. The training enables the graduate to undertake positions in many of the different branches of Home Economics, including dietetics and the teaching of Home Economics in schools.

Students who wish to qualify for a teaching certificate in Home Economics must decide before entering the Fourth year, since this specialist training is given during the last year. Properly qualified students may be granted an Interim First Class Certificate (Home Economics Division) for teaching Household Science subjects, on graduation. This certificate is granted by the Protestant Central Board of Examiners of the Province of Quebec and only those students who may legally teach in the Protestant Schools of this Province should attempt to qualify for this certificate. Those desiring to apply for the certificate will be required to observe and teach in the elementary and secondary schools of the province for periods of time totalling not less than five weeks. It may be necessary to limit the number of students in the teaching option.

The practice of dietetics is the assuming of responsibility for the production of food in hospitals, institutions, and commercial restaurants, and opportunities to observe and practise kitchen administration are provided in the dining room of the staff residence at "Glenaladale" and in the main kitchen and cafeteria. Further training is offered by hospitals and commercial institutions after graduation.

The course also includes training in home management in a model house (the Stewart Home Management House), which is located on the campus. Here students live together, under supervision, and are responsible for all the household routines.

The four year course in Home Economics prepares students for professional careers as dietitians, home economics teachers, nutritionists, extension workers with government services, home economists in home service bureaus, and many other positions. In addition, it provides a general university education, and is of incomparable value as a background for homemaking.

CLASSES OF STUDENTS

1. *Regular Undergraduates* are students with complete matriculation qualifications and who are taking the regular work of their year toward the appropriate degree or diploma.

2. *Limited Undergraduates* are students with normal entrance qualifications but who, due to ill health or other circumstances, do not fit into the regular classification of years (first, second, etc.) and who may be unable to complete their work in the normal length of time.

3. *Partial Students* are those not proceeding to a degree or diploma, including those doing a qualifying year for graduate work, or those earning credits for transfer to another faculty or institution.

4. *Conditioned Students* are those who have been promoted conditionally to the succeeding year of their course, but, as a result of a failure (or failures), have a course (or courses) of the previous year's work outstanding at the time of registration. Conditioned students must pass "final supplementals" in such outstanding courses at the next regular final examination period, i.e. in January for first term half courses, and in April for all other courses.

   Conditioned students are on academic probation, and may be required to withdraw if their work continues to be unsatisfactory. Conditioned students are not eligible to hold student office.

5. *Repeating Students* are those students who, because of failures, are required to repeat their year. They are on academic probation, and may be required to withdraw if their work continues to be unsatisfactory. Repeating students are not eligible to hold student offices.

ENTRANCE REQUIREMENTS

1. General Entrance requirements have been set out on page 4533.

2. Academic requirements: Admission is at the discretion of a faculty committee. The Committee accepts as a general standard the McGill School Certificate. The minimum requirement for consideration under this Certificate is that the candidate must have passed (obtained 50 per cent or more) in each of the subjects specified below, with a minimum of 10 papers. An average standing of not less than 65% in the 10 papers is required.

Papers	Required Subjects
1	English Literature
1	English Composition
1	History
1	Elementary Algebra
1	Elementary Geometry
	plus the following
1	One of Physics, Chemistry, or Biology
2	Two papers (i.e. Oral and Written or Grammar and Composition) in one of French, Latin, German, Spanish.
2	Two additional papers chosen from (a) the foreign language not already chosen (b) the sciences not already chosen, i.e., Physics, Chemistry, Biology (c) Intermediate Algebra, Trigonometry, Geography, North American Literature, Household Science, Art or Music.
10	

The following certificates are accepted in lieu of the McGill Junior School Certificate provided:

1. The certificate has been obtained under no easier conditions than those applying to the McGill Junior School Certificate; and

2. The subjects presented and the average standing obtained on such certificates conform generally to those listed above for the McGill Junior School Certificate:

Quebec: The High School Leaving Certificate
The Catholic High School Leaving Certificate

Ontario: Grade XII Certificate (including a statement of marks received in both Grades XI and XII)

British Columbia and New Brunswick: Junior Matriculation

Alberta, Manitoba, Newfoundland, Nova Scotia and Saskatchewan: Grade XI Certificate

Prince Edward Island: Second Year Certificate of Prince of Wales College

United States: Certificates issued by the College Entrance Examination Board

United Kingdom: For the General Certificate of Education, a minimum of passes in five acceptable subjects at the Ordinary level, including English and Mathematics; for the School Certificate, credit or higher standing in at least five acceptable subjects including English, Mathematics, a foreign language

Attention is drawn to the following requirements of the McGill University Committee on Admissions:

"Canadian and U.S. students who apply for admission at Junior or Senior Matriculation level in 1962 and subsequent years must take the tests offered by the College Entrance Examination Board. These consist of the Scholastic Aptitude Test (in two parts—Verbal and Mathematical) and three Achievement Tests selected by the student in consultation with his School Principal. The English Composition test is compulsory; the other two tests may be chosen from any of the following: Intermediate Mathematics *or* Advanced Mathematics, Physics, Chemistry, Biology, French, Latin, German, Spanish, Social Studies (U.S. applicants only). These tests must be written not later than in March of each year. The tests may be written on one testing date, but it is recommended that applicants write the Scholastic Aptitude Test in December or January, and the three Achievement Tests in January or March. The cost to the student for writing the full set of tests is $13.00. Students from the eastern parts of Canada and the United States may obtain full information by writing to the College Entrance Examination Board, Box 592, Princeton, New Jersey; students from the West should write to: College Entrance Examination Board, Box 27896, Los Angeles 27, California."

In the Faculty of Agriculture (and School of Household Science) students entering from the Protestant (and the private) schools of the Province of Quebec, and those entering from the United States will be required to sit the examinations and submit the results of the College Entrance Examination Board before their application will be considered. The applications of other students will be strengthened, if they submit C.E.E.B. results in support of their applications. In general, C.E.E.B. examinations results will be required for each applicant who could, without undue inconvenience, sit the examinations.

Students intending to enter by certificate should in no circumstances come to the College without having obtained from the Registrar a statement of the value of the certificates they hold.

Students with incomplete requirements may obtain standing in subjects included in the McGill School Certificate by writing McGill examinations.

A candidate may be admitted to the Second year if (1) she has completed all requirements for entrance to the First year and (2) has written and

passed with an average standing of not less than 65% the required papers of the McGill Senior School Certificate Examination. These are:

English Literature
English Composition
Algebra
Trigonometry
Physics
Chemistry
*Biology

The following certificates are accepted in lieu of the McGill Senior School Certificate:

Quebec: Senior Quebec High School Leaving Certificate
Senior Catholic High School Leaving Certificate

Ontario: Grade XIII Certificate

Alberta, Manitoba, Nova Scotia and Saskatchewan: Grade XII Certificate

Prince Edward Island: Third Year Certificate of Prince of Wales College

British Columbia: Senior Matriculation Certificate

United Kindom Certificates: For the General Certificate, passes in five subjects including Biology at the Ordinary Level, plus Physics and Chemistry at the Advanced Level.

NON-CANADIAN STUDENTS

Applications for admission from students whose homes are outside Canada must be received before March 1st of any year if they are to be considered for acceptance for that calendar year. No decisions on these applications will be made by the Committee on Admissions before March 1st, and the applicant will be notified whether or not his application is accepted as soon after that date as possible.

APPLICATION FOR RESIDENCE ACCOMMODATION

See under "Residence", page 4521.

*Applicants from institutions not offering Senior Matriculation Biology may be considered if they have attained 65% or better standing in two full years of Biology or one year of Botany and one year of Zoology at the Junior Matriculation level.

SYLLABUS

B.Sc.(H.Ec.) Course

SUBJECTS	Course Numbers	* Unit Value	Periods per week		Term Given
			Lects.	Labs.	
FIRST YEAR					
**Biology:					
General Biology	120	10	3	2	Both
Chemistry:					
Inorganic Chemistry	110	10	3	2	Both
English:					
Literature and Composition	100	8	4	..	Both
Household Science:					
Introduction to Household Science	110a	3	3	..	First
Mathematics:					
Plane Trigonometry, Algebra, Analytical Geometry	110	6	3	..	Both
Physics:					
General Physics	112	8	3	1	Both
Physical Education	110	Minimum 2 hours weekly			
Textiles	110b	3	2	1	Second
SECOND YEAR					
Bacteriology:					
General Microbiology	330b	4	2	2	Second
Chemistry:					
Organic Chemistry	220	10	3	2	Both
Clothing:					
Clothing Construction	230	6	..	3	Both
Economics:					
Principles of Economics	220b	3	3	..	Second
***English:					
Modern Literature	225	4	2	..	Both
or					
Speaking and Writing	226	4	2	..	First
		..	1	1	Second
Foods:					
Basic Foods	226	6	1	2	Both
Food Selection	220a	3	3	..	First
Household Administration	220	3	1	..	First
		..	1	1	Second
Nutrition and Dietetics:					
Elementary Nutrition	220	3	2	..	First
		..	1	..	Second
Zoology:					
Intermediate Zoology	230a	4	2	2	First

*1 Unit=1 lecture or 1 2-hour lab. per term.

**First year or Senior Matriculation Biology will be accepted in lieu of Biology 120.

***Second year students must take either English 225 or English 226.

See also elective courses in French and History, pages 4587-8.

SYLLABUS

B.Sc.(H.Ec.) Course

SUBJECTS	Course Numbers	Unit Value	Periods per week		Term Given
			Lects.	Labs.	
THIRD YEAR					
Art:					
Interior Decoration	300a	3	2	1	First
Chemistry:					
Biochemistry (General)	332a	4	2	2	First
Physiological Chemistry	347b	4	2	2	Second
Foods:					
Advanced Foods	332	6	2	1½	First
		..	1	1½	Second
Home Economics Education:					
Educational Psychology	330c	3	3	..	Either
Household Administration:					
Home Management	331c	4	1	..	First
		..	..	3	Either
Physics:					
Biophysics	340a	2	1	1	First
Animal Science:					
Principles of Physiology	330b	3	3	..	Second
Sociology:					
Introduction to Sociology	340c	3	3	..	Either
Textiles:					
Textiles	330	6	3	..	First
		..	2	1	Second

FOURTH YEAR

GENERAL HOME ECONOMICS

Is designed for students who wish to obtain a general background in home economics which may be directed toward business or other professional positions.

SUBJECTS	Unit Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Animal Science:					
Fundamentals of Nutrition 430	6	2	1	2	1
Bacteriology:					
*Bacteriology 434a	4	2	2	..	..
Chemistry:					
*Food Chemistry 451a	4	2	2	..	..
*Textile Chemistry 450a	4	2	2	..	..
Clothing:					
Clothing 440	6	..	3	..	3
**Extension Methods 330	4	1	1	1	1
Home Economics Education					
Demonstration Techniques 442c	3	..	3	(either term)	
Methods of Teaching 441a	3	2	1	..	..
Foods:					
Experimental Foods 434c	3	1	2	(either term)	
Institutional Administration:					
School and Group Feeding 446b	3	..	..	3	..
Psychology:					
**Child Psychology 400c	3	3	(either term)		

*Candidates are required to choose 2 of the 3 courses.

**Candidates are required to choose one of these two courses.

DIETETIC OPTION

Meets the academic requirements for entrance to the professionally sponsored interneship courses required for membership in the dietetic associations. Hospitals and food service organizations offer graduates careers in administrative or therapeutic dietetics. Opportunities to observe and practice kitchen administration are provided in the dining room of the staff residence and in the kitchen and cafeteria on the campus. The option also provides basic preparation for research in foods and nutrition.

SUBJECTS	Unit* Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
1 of the 2 following is required:					
Bacteriology:					
Bacteriology 434a	4	2	2	..	..
Chemistry:					
Food Chemistry 451a	4	2	2	..	..
Remainder are required:					
Animal Science:					
Fundamentals of Nutrition 430	6	2	1	2	1
Home Economics Education:					
Methods of Teaching 441a	3	2	1	..	..
Foods:					
Experimental Foods 434a	3	1	2	..	..
Institutional Administration:					
Quantity Food Service 441c	2	..	2	(either term)	
Organization and Management 442b	3	..	..	3	..
Principles of Accounting 443b	3	..	..	3	..
Personnel Management 444a	3	3	..	..	..
Kitchen Planning 445a	3	3	..	..	..
Nutrition and Dietetics:					
Diet Therapy 441	4	2	..	1	1
Nutrition and Diet Therapy Seminar 443	2	1	..	1	..

*1 Unit =1 lecture of one hour or 1 2-hour lab. per term.

HOME ECONOMICS EDUCATION OPTION

Qualifies a student for an Interim First Class Certificate (Home Economics Division) granted by the Protestant Central Board of Examiners of the Province of Quebec. Only those students who may legally teach in the Protestant Schools of this Province should enroll in this Option. Those who enroll for the certificate will be required to observe and teach in the elementary and secondary schools of the Province for periods of time totalling not less than five weeks in the Fourth year.

SUBJECTS	Unit* Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
Animal Science: Fundamentals of Nutrition 430	6	2	1	2	1
Chemistry: Textile Chemistry 450a	4	2	2	..	..
Clothing: Clothing 440	6	..	3	..	3
Home Economics Education: General Education Practice 411	3	3	..	..	..
Methods of Teaching 440a	3	3	..	..	..
Demonstration Techniques 442c	2	..	2	(either term)	
Observation and Practice Teaching 443	4	..	2	..	2
Problems in Home Economics Education 453b	3	..	..	3	..
Institutional Administration: School and Group Feeding 446b	3	..	..	3	..
Psychology: Child Psychology 400c	3	3	(either term)		

*1 Unit =1 lecture of one hour or 1 2-hour lab. per term.

FOOD MANAGEMENT OPTION

The Food Management Option is designed for students interested in a career in the food service industry. It is built around a sound knowledge of food and food handling procedures from the managerial standpoint. Graduates will be qualified to enter the dietetic profession.

SUBJECTS	Unit* Value	1st Term		2nd Term	
		Lects.	Labs.	Lects.	Labs.
THIRD YEAR					
Animal Science: Principles of Physiology 330b	3	..	..	3	..
Chemistry: Biochemistry (General) 332a	4	2	2	..	..
Physiological Chemistry 347b	4	..	..	2	2
Economics: Economics of Marketing 330b	3	..	..	3	..
Foods: Advanced Foods 332	6	2	1½	1	1½
Horticulture: Horticultural Crops 345a	3	3	..	..	..
Mathematics: Elementary Statistics 331b	3	..	..	3	..
Physics: Biophysics 340a	2	1	1	..	..
Sociology: Introduction to Sociology 340c	3	3	(either term)		
FOURTH YEAR					
Animal Science: Fundamentals of Nutrition 430	6	2	1	2	1
Bacteriology: Food Microbiology 434a	4	2	2	..	..
Chemistry: Elementary Food Analysis 453a	3	2	1	..	..
Foods: Experimental Foods 434c	3	1	2	(either term)	
Food Management Seminar 400	2	1	..	1	..
Home Economics Education: Methods of Teaching 441a	3	2	1	..	..
Horticulture: Storage and Handling of Horticultural Crops 443a	2	1	1	..	..
Fruit and Vegetable Processing 444b.	3	..	..	2	1
Institutional Administration: Organization and Management 442b.	3	..	..	3	..
Principles of Accounting 443b	3	..	..	3	..
Kitchen Planning 445a	3	3	..	..	..
Nutrition and Dietetics: Diet Therapy 441	4	2	..	1	1

*1 Unit=1 lecture of one hour or 1 2-hour lab. per term.

Courses designated "a" are given in the first term only.
Courses designated "b" are given in the second term only.
Courses designated "c" may be given in either term.
Courses with no letter designation continue throughout both terms.

For Timetable Information see pages 4646-50.

DESCRIPTION OF COURSES

ANIMAL SCIENCE

330b. PRINCIPLES OF PHYSIOLOGY

A study of the functions of the various organ systems of the mammal including the central nervous system, nerve and muscle, blood, circulation, respiration, digestion, excretion, reproduction and the endocrines.

Second term: 3 lects. per week. *Professor Dale*

430. FUNDAMENTALS OF NUTRITION

Part 1. Qualitative study of the nutrients; their nature, metabolism, functions and interrelations in the operation of the metabolic machine.

Part 2. Deals with some quantitative aspects of nutrition: Comparative feeding trials, nutritional balances, energy and nutrient requirements for maintainance, growth, production and reproduction. Dietary or feeding standards.

In the second term of some years, as an alternate to other laboratory work, students, with permission, may elect to participate in one or more biological projects in which rats, puppies, guinea pigs and/or the students themselves are the experimental subjects. These projects, when offered, will be scheduled by arrangement.

Both terms: 2 lects. and 1 lab. period per week.
Professors Crampton, Lloyd and Donefer

ART

300a. INTERIOR DECORATION

A survey of historical periods in domestic architecture, interiors and furnishings; the theory of colour, harmony and design with practical application to contemporary problems.

First term: 2 lects. and 1 lab. per week
Professor Jaques (Institute of Education)

BACTERIOLOGY

330b. GENERAL MICROBIOLOGY

General introduction to microbiology; elementary principles of microbial morphology and physiology; relation of micro-organisms to fermentations, food, dairy, water, sewage, soils and disease.

Text Book:—Pelczar and Reid, Microbiology.

Second term: 2 lects. and 2 lab. periods per week. *Professor Blackwood*

434a. FOOD MICROBIOLOGY

The microbiological examination of food and of the fermentation involved in small scale and industrial processes. Principles of preservation, food poisoning, and intestinal microbiology.

First term: 2 lects. and 2 lab. periods per week. *Professor Knowles*

BIOLOGY

120. GENERAL BIOLOGY

The structure and functions of living organisms; how they live and perpetuate themselves in relation to their environment. Protoplasm, cells, tissues, organs, systems; metabolism, nutrition, perception, growth, reproduction, inheritance; ecology and evolution of plants and animals. Emphasis is placed on the higher animals and flowering plants, but surveys of both plant and animal kingdoms are included.

Both terms: 3 lects. and 2 lab. periods per week.
Professor Morrison or Professor Callen

CHEMISTRY

110. INORGANIC CHEMISTRY

Text Book:—Quagliano, Chemistry (Prentice-Hall).

Both terms: 3 lects. and 2 lab. periods per week. *Professor Henneberry*

220. ORGANIC CHEMISTRY

Fundamental concepts of organic chemistry; properties and structure of related aliphatic, aromatic and the simpler heterocyclic compounds. Laboratory work includes preparation and examination of typical organic compounds.

Text Book:—Wertheim, Textbook of Organic Chemistry (Blakiston).

Both terms: 3 lects. and 2 lab. periods per week. *Professor Baker*

332a. GENERAL BIOCHEMISTRY

Carbohydrates; lipids; amino-acids and proteins; properties, nature, and classification of enzymes.

Text Book:—Downes, The Chemistry of Living Cells (Harper & Bros.).

First term: 2 lects. and 2 lab. periods per week. *Professor Common*

347b. PHYSIOLOGICAL CHEMISTRY

Alimentary digestion and absorption of nutrients; composition and properties of blood; gaseous exchange and acid base equilibrium; intermediate metabolism of nutrients and tissue respiration; urinary and fecal excretion; hormones.

Laboratory work parallels the lecture course and includes blood and urine analysis.

Prerequisites: Chemistry 332a and Physics 333a.

Text Book:—Downes, The Chemistry of Living Cells (Harper & Bros.).

Second term: 2 lects. and 2 lab. periods per week. *Professor Common*

450a. TEXTILE CHEMISTRY

Relationships between current theories of molecular structure of natural and man-made fibres and their behaviour in use. Chemical reactions involved in the manufacture and maintenance of textiles. Detection of physical and chemical degradation in fibre and fabric, effect of chemical finishes.

First term: 2 lects. and 2 lab. periods per week. *Professor Jenkins*

451a. CHEMISTRY OF FOODS AND FEEDING STUFFS

Principles of analysis, including a more detailed treatment of sugars, starches, oils, and fats; analytical chemistry of milk and milk products, and of certain of the vitamins.

Elective.

First term: 2 lects. and 2 lab. periods per week.
Professors Common and Anastassiadis

453a. ELEMENTARY FOOD ANALYSIS

Proximate analysis. Chemical examination of cereals, meats and meat products, milk and dairy products, and confectionery.

First term: 2 lects. and 1 lab. period per week.
Professors Common and Anastassiadis

CLOTHING

230. CLOTHING

Principles and techniques of clothing construction with selection and use of commercial patterns. Problems presented by various fabrics. Organization of construction procedures.

Both terms: 3 lab. periods per week. *Professor Jenkins*

440. ADVANCED CLOTHING

Theory and practices of draping and flat pattern drafting to develop understanding of clothing construction. Creation of original design from sketches by means of draping and drafting. Principles and techniques of tailoring, construction of tailored garments.

Both terms: 3 lab. periods per week. *Professor Jenkins*

ECONOMICS

220b. PRINCIPLES OF ECONOMICS

The anatomy of the Canadian economy, especially the agricultural, household, and governmental segments. The business firm and the industry; price and output. Money; the Canadian banking system; national income and employment. The distribution of wealth and income. International trade.

Second term: 3 lects. per week. *Professor MacFarlane*

330b. ECONOMICS OF MARKETING

Nature and importance of marketing. Markets and market prices. Selling and buying. Marketing margins and efficiency. Co-operation and co-operatives. Federal and provincial marketing jurisdiction and policies. The marketing of Canada's principal farm products. Marketing study tours.

Second term: 3 lects. per week. *Professor MacFarlane*

ENGLISH

100. ENGLISH LITERATURE AND COMPOSITION

A selection of major works in the English literary tradition from medieval to modern times. Four hours a week with one lecture and 3 tutorial meetings, one of which is given to practice and instruction in Composition.

Both terms: 4 lects. per week.

Professor Cole and Members of The Department of English

225. MODERN LITERATURE

An extension of Course 116, with topics and readings drawn from the work of British, Canadian, and American writers in the period from 1880 to the present. This course may be elected by Third or Fourth year students.

Both terms: 2 lects. per week.

Professor Cole, Professor Hall (Institute of Education)

226. SPEAKING AND WRITING

For students who require or desire further practice in oral and written expression. Laboratory periods may be substituted for lectures. This course may be elected by Third or Fourth year students.

All Second year degree course students must take either English 225 or English 226. The prerequisite to these courses is successful completion of Senior Matriculation English Literature and Composition, or English 114 and 116 at Macdonald College.

First term: 2 lects. per week.

Second term: 1 lect. and 1 lab. period per week. *Mrs. Dubreuil*

332. MODERN DRAMA

A reading course in modern English and American drama with special attention to trends and developments since 1900. Not given for fewer than 5 students. *Elective.*

Professor Hall

EXTENSION METHODS

330. EXTENSION METHODS

Study group techniques; extension methods in agriculture and household science; rural sociology.

Laboratory work comprises participation in debates, conduct of public meetings and similar activities. Students who elect this course will also be required to take English 226, unless this course was taken in the Second year.

Both terms: 1 lect. and 1 lab. period per week.

FOODS

220a. FOOD SELECTION

Study of the factors to be considered in the selection of foods including varieties, grading and marketing. *Miss Tucker*

First term: 3 lects. per week.

226. BASIC FOODS

Study of the composition and nutritive value of foods with the application of scientific principles to food preparation and cookery.

Study of, and practice in food preservation with five days of laboratory work preceding the session.

Both terms: 1 lect. and 2 lab. periods per week. *Miss Tucker*

332. ADVANCED FOODS

The Science and Art of advanced food preparation and service including an extensive study of the foods of peoples of other countries.

First term: 2 lects. and 1½ lab. periods per week.

Second term: 1 lect. and 1½ lab. periods per week. *Mrs. Zarkadas*

400. FOOD MANAGEMENT SEMINAR

Directed study on a selected topic, the seminar to be conducted with the group deemed most appropriate for the set topic, viz., Dietetics, Economics, Bacteriology, Nutrition or Horticulture.

Both terms: 1 lect. per week. *Professor David*

434a. EXPERIMENTAL FOODS

Experience in experimental procedures. Development, execution, written and oral interpretation of an individual food problem.

First term: 1 lect. and 2 lab. periods per week. *Professor Devereaux*

FRENCH

100A and B.

French is the only language of communication in this course.

Students are divided into two groups according to entrance qualifications. Both groups study French culture, contemporary short stories, and grammar on a level adapted to their respective capabilities. Each group is subdivided into a number of smaller sections for class work. Texts will be indicated when the groups are established. *Elective.*

Both terms: 3 lects. per week.

Professor S. C. M. Hawkins, Mr. G. W. E. McElroy (Institute of Education).

300. *Aim:* practice in French for students who expect to work in Quebec Province: preparatory work for postgraduate students who intend to meet second language requirements in French. Emphasis will depend on needs of students enrolled. *Prerequisite:* Quebec High School Leaving French or equivalent. *Content:* writing, reading and oral practice. *Elective.*

Both terms: 2 lects. per week.

Professor Hawkins and Mr. G. W. E. McElroy (Institute of Education)

HISTORY

100. EUROPEAN CIVILIZATION IN MEDIEVAL AND MODERN PERIODS

The medieval period is studied in terms of its typical institutions: the Empire, the Papacy, feudalism, the gild, the dynastic state, etc. In the modern period, main emphasis is laid on the emergence of the Great Powers and the long-term problems, at home and abroad, which conditioned their policies.

Elective.

Both terms: 3 lects. per week. *Mr. Vogel (Faculty of Arts and Science)*

HOME ECONOMICS EDUCATION

330c. EDUCATIONAL PSYCHOLOGY

Nature and scope of educational psychology. A study of the aspects of behaviour and theories of learning. The application of psychology to the problems of education.

Either term: 3 lects. per week. *Professor Honey*

411. GENERAL EDUCATION PRACTICE

Basic methods for teaching in elementary grades offered by the staff in the Institute of Education for students who select the Home Economics Education Option.

Time to be arranged with the Institute of Education.

First term: 3 lects. per week. *Professor Hall (Institute of Education)*

440a. METHODS OF TEACHING

Philosophy of Education for Homemaking. Curriculum organization, lesson planning, teaching methods and media.

First term: 3 lects. per week. *Professor Honey*

441a. METHODS OF TEACHING

Principles of teaching applied to the selection, organization and development of subject matter for presentation to individuals and groups. Job instruction Training included.

First term: 2 lects. and 1 lab. per week. *Professor Honey*

442c. DEMONSTRATION TECHNIQUES

Experience in planning, preparing and presenting demonstrations in foods, equipment, and clothing.

Either term: 2 lab. periods per week. *Professor Honey*

443. OBSERVATION AND PRACTICE TEACHING

Observation and practice teaching in Macdonald High School and in the schools of the Protestant School Board of Greater Montreal. Experience will also be arranged in rural schools when possible.

Both terms: equivalent of 2 lab. periods per week. *Professor Honey*

453b. PROBLEMS IN HOME ECONOMICS EDUCATION

Discussions and lectures on problems arising from classroom experience. Study of equipment for the Home Economics laboratory, methods of keeping necessary records, methods of evaluation.

Second term: 3 lects. per week. *Professor Honey*

HORTICULTURE

345a. HORTICULTURAL CROPS

A general course in horticulture for non-specialists covering the principles of fruit and vegetable production, storage and processing of horticultural crops, and the commercial production of ornamental plants.

First term: 3 lects. per week. *Professor Murray and Staff*

443a. STORAGE AND HANDLING OF HORTICULTURAL CROPS

The post-harvest chemistry and physiology of horticultural crops as they affect quality and marketability; handling methods at and after harvest; principles and practices in precooling, storage, transportation and packaging.

Prerequisite:—Botany 330b.

Text Book: Smock and Neubert, Apples and Apple Products.

First term: 1 lect. and 1 lab. period per week. *Professor David*

444b. FRUIT AND VEGETABLE PROCESSING

The principles and practices of food processing with emphasis on canning, freezing and dehydration; survey of the newer methods of food preservation such as the use of radiation and antibiotics; quality control, grading and sanitation are discussed.

Second term: 2 lects. and 1 lab. period per week. *Professor David*

HOUSEHOLD ADMINISTRATION

220. HOUSEHOLD ADMINISTRATION

The principles of house planning, including the application of physics to electricity, plumbing, and heating. Detailed attention to kitchen planning from the standpoint of function, convenience and safety. Study of materials, design, use and care of furnishings, appliances, and utensils. Experience in planning and presenting equipment demonstrations.

First term: 1 lect. per week.

Second term: 1 lect. and 1 lab. period per week. *Miss Tucker*

331c. HOME MANAGEMENT

A study of the process of home management; planning, carrying out the plan, and evaluating with practical application in a well-equipped house

on the campus where groups of five students, under supervision, have charge of managing the home, including menu planning, preparation and service, marketing, accounting, and care of supplies, equipment, and furnishings.

First term: 1 lect. per week.

Either term: 3 weeks in Home Management House. *Professor Devereaux*

HOUSEHOLD SCIENCE

110a. INTRODUCTION TO HOUSEHOLD SCIENCE

Acquaintance with the Home Economics programme in College, development and scope of careers in Home Economics. Study methods and report preparation and writing.

First term: 3 lects. per week. *Miss Tucker*

INSTITUTIONAL ADMINISTRATION

441c. QUANTITY FOOD SERVICE AND MANAGEMENT

Management of institutional kitchens, food production and service.

Either term: equivalent of 2 labs. per week. *Miss Raymond*

442b. ORGANIZATION AND MANAGEMENT

Study of administration and organization procedures and tools; time and motion studies, menus, work plans, recipes.

Second term: 3 lects. per week. *Miss Raymond*

443b. PRINCIPLES OF ACCOUNTING AND COST CONTROL

Principles of accounting and cost control as related to food service organizations, particularly. Control of food, equipment and labour costs.

Second term: 3 lects. per week. *Miss Raymond*

444a. PERSONNEL MANAGEMENT

A study of employee training programmes in dietary departments; leadership development.

First term: 3 lects. per week. *Professor Neilson*

445a. KITCHEN PLANNING AND EQUIPMENT

Study of selection and layout of equipment in institutional kitchens. Purchasing methods, plant and food sanitation practices. A project in kitchen layout.

First term: 3 lects. per week. *Miss Raymond*

446b. SCHOOL AND GROUP FEEDING

Study of school lunchroom organization and service, and other problems of feeding groups of children, such as camps and nursery schools.

Second term: 3 lects. per week. *Miss Raymond*

MATHEMATICS

110. PLANE TRIGONOMETRY, ALGEBRA, ANALYTICAL GEOMETRY

An integrated course at the First year college level including radian measure, logarithms, relations between the trigonometrical functions, addition formulae, sums and products, solution of triangles, inverse functions, solution of trigonometric equations, variation, progressions, permutations and combinations, mathematical induction, binomal theorem, theory of quadratic equations, equations of straight line and circle.

Both terms: 3 lects. per week.

Professors Carter, Crook, Henry, Rowles, Warkentin

331b. ELEMENTARY STATISTICS

Measures of central tendency and variability; normal frequency curve; tests of significance of differences between means; non-parametric methods; regression and correlation; binomial, Poisson and Chi-square distributions; sampling; simple analysis of variance.

Second term: 3 lects. per week. *Professor Warkentin*

NUTRITION AND DIETETICS

220. ELEMENTARY NUTRITION

A study of the essential factors in an adequate diet, and the nutritional needs of various age groups.

During and as a result of this course the student is expected to establish and maintain good nutrition practices.

First term: 2 lects. per week.

Second term: 1 lect. per week. *Mrs. Zarkadas*

441. DIET THERAPY

Dietary modifications in treatment of pathological conditions, including gastrointestinal, metabolic, circulatory, renal and musculoskeletal disorders. Visits to hospitals, clinics and dietary departments.

First term: 2 lects. per week.

Second term: 1 lect. and 1 lab. period per week. *Professor Devereaux*

443. NUTRITION AND DIET THERAPY SEMINARS

Presentation and discussion of reports on recent developments in dietetics.

Both terms: 1 lect. per week.

See also Animal Science 430, page 4616.

PHYSICAL EDUCATION

110. Physical Education will be included in the work of the First year, all students being required to attend a minimum of two hours weekly

during the session. Opportunity is provided for participation of all students in archery, swimming, basketball, skating, hockey, and badminton.

Both terms: 2 hours per week (Stewart Hall Gymnasium).

Miss Nichol (Institute of Education)

PHYSICS

112. GENERAL PHYSICS

An introductory course covering mechanics, heat, light, sound, electricity and magnetism at the First year college level. Fundamental principles are taught through demonstrations, laboratory work, and numerical examples.

Both terms: 3 lects. and 1 lab. period per week. *Professor Rowles*

340a. BIOPHYSICS (Prerequisite to Chemistry 347b)

Gas laws, osmosis, surface phenomena, pH, colloids and emulsions. Physical properties of X-rays and radioactive rays with examples of their use in diagnosis and therapy. Some of the lectures will be taken along with the lectures in Physics 333a.

First term: 1 lect. and 1 lab. period per week.

Professors Rowles and Warkentin

PSYCHOLOGY

400c. CHILD PSYCHOLOGY

The course will follow the development of the child from prenatal stages through the years of middle childhood. Special emphasis will be placed on the practical aspects of child care, training, behaviour symptoms, and the everyday problems of the normal child.

Either term: 3 lects. per week *Professor Young (Institute of Education)*

SOCIOLOGY

340c. INTRODUCTION TO SOCIOLOGY

An examination of the patterns of our society, with emphasis on group relationships. The course covers a general introduction to sociological theory, the social development of the individual, ethnic and class groupings, characteristics of urban and rural life, social change and institutional structures.

Either term: 3 lects. per week. *Mrs. MacFarlane*

TEXTILES

110b. TEXTILES

Care and maintenance of fabrics used for clothing and furnishings, detergency, equipment and reagents for home and institutional laundry. Laboratory experience in techniques of laundering, testing of detergents and other agents.

Second term: 2 lects. and 1 lab. period per week. *Professor Jenkins*

330. ADVANCED TEXTILES

A study of natural and synthetic fibres, fabric structure and design, dyes and finishes. Developments in textile technology of value to the consumer. Fibre identification, fabric analysis, physical testing for fabric performance, weaving.

First term: 3 lects. per week.

Second term: 2 lects. and 1 lab. per week. *Professor Jenkins*

ZOOLOGY

230a. INTERMEDIATE ZOOLOGY

A review of the animal kingdom with special reference to the morphology, biology, etc., of protozoa, flatworms, roundworms, annelids, molluscs, arthropods and chordates; the elements of entomology; animal parasitism; alternation of generations; an introduction to embryology and the comparative morphology of vertebrates; the elements of zoogeography.

First term: 2 lects. and 2 lab. periods per week.

Professors Kevan and McFarlane

Scholarships, Prizes, Bursaries and Loan Funds

GENERAL

There is available to the students in the Faculty of Agriculture a wide range of scholarships and prizes as well as limited financial assistance provided through loan funds and through bursary-loan arrangements.

While it is the University's ambition that no worthy student be denied the privilege of an education because of the limitations of family finances, nevertheless, at the present level of student aid funds, assistance is limited, and can be undertaken only for the better students.

The principal forms of financial aid and awards to students are described below.

LOANS—GENERAL INFORMATION

A loan is the form of aid awarded to supplement a student's resources where his earning potential justifies the prospect of fairly early repayment. Sound academic standing, promise, and character are required as conditions of eligibility.

Unless otherwise specified in the case of particular loan funds, loans are not made by the University to students in their first year of attendance whose last year's record is below an average of 75%, or in other years, where their college record is below 60%.

Students who have financial problems, and who feel they are eligible for financial assistance, should apply for such assistance before registration, in order to assure themselves of funds enough to complete their year.

Students applying for loans from funds available at the University are required first to apply for a Dominion-Provincial loan, and otherwise demonstrate that they have exhausted all other possible sources of help, e.g. family and relatives, etc.

Dominion-Provincial Loans and Bursaries. The Dominion and Provincial Governments jointly offer a number of bursaries and combined bursaries and loans to degree students in most faculties and schools. These are open to men and women on equal terms. The Quebec grants are sixty per cent bursary and forty per cent loan, the latter being repayable

one year after graduation. To be eligible for a Quebec grant, a student must be a British subject with at least two years' residence in the Province of Quebec, and must be under thirty years of age, in good academic standing, and in definite need of financial assistance. In some cases bursaries may be granted to married students.

Graduate students are not eligible under this plan, nor are students who receive any assistance from other Government funds. The award varies with the need and will not generally exceed $300 for a local resident or $500 for others in any one session. These bursaries may be renewed upon application before June 1st if the conditions for granting the award are maintained. Applications for new bursaries must be submitted on the proper forms before September 15th. Decisions regarding renewals of these bursaries are usually made late in August, but decisions regarding the award of new bursaries are not usually made until after the middle of October.

Students coming from other provinces should inquire from their Provincial Departments of Education whether they are eligible to participate in any comparable scheme. Application forms and additional information may be obtained at the Registrar's office.

Faculty of Agriculture Loan Funds: Interest bearing loan funds in limited amounts are available to particularly deserving Canadian students in good academic standing in the B.Sc. (H.Ec.) and B.Sc. (Agr.) courses who are in need of financial assistance. Entering students will not be considered for loan assistance unless their previous year's academic average equals or exceeds 75%.

In the case of students who maintain first or second class honours standing in the year during which the loan is made, part of the loan may be converted, at the discretion of the Faculty Committee on Scholarships, to a bursary. Every application for this loan or bursary assistance will, in the first instance, be treated as an application for a loan. The basis on which the Faculty Committee on Scholarships may recommend a loan-bursary is as follows: (1) for the student who secures an average in the year's work ranging from 65 to 70 per cent, the loan would be converted to a bursary to the extent of ⅓ of tuition; (2) for the student who secures an average in the year's work ranking from 71 to 75 per cent, the loan would be converted to a bursary to the extent of ⅔ of tuition; (3) for the student who secures an average in the year's work of over 75 per cent the entire loan up to the cost of tuition would be converted to a bursary. Applications for loans are considered by Faculty at the time of registration for the autumn term. Students must make application to the Registrar for this form of assistance prior to or at registration.

Loan Fund of the Macdonald Branch of the McGill Graduates' Society: Through the generosity of the graduates of Macdonald College loan funds have been made available for deserving students. Two categories of students are considered.

Students from Ormstown and Shawville High Schools: Entering students from these two High Schools who have High School Leaving averages of 75% or more can obtain loans of up to $500 for the first year, and for succeeding years, providing their academic standing is at the level of 65% or higher.

Students in Course: Upper year students who have at least 65% in their previous year's work will be eligible for loans of up to $500 per year.

The Graduates' Society Loan Funds bear interest at the rate of 4½%, payable annually, are repayable after graduation, and are limited to Canadian citizens.

Applications are to be made before registration to the Registrar's Office, or, in the case of students entering from Ormstown or Shawville, to the Principals of these High Schools.

Kiwanis Club of Montreal Student Loan Fund. To assist worthy students who are in need of financial help to further their education, the Kiwanis Club of Montreal has established an interest-bearing loan fund for students in Agriculture at Macdonald College. Loans from this fund may be applied for by students contemplating entering the College as well as by students already enrolled.

The loans are to be repaid, in whole or by instalments, as soon as the recipient is able to do so. Except in special cases the maximum loan is $500.

Application for a Kiwanis Club loan is to be made to the Registrar's Office, Macdonald College.

PROVINCIAL GOVERNMENT GRANT

The Department of Agriculture of the Province of Quebec grants to each graduate and undergraduate student in Agriculture who belongs to the Province of Quebec, and is registered for regular courses, $20.00 per month of attendance in studying according to the time table in the Faculty of Agriculture, Macdonald College. Other students in Agriculture receive grants of half this amount. This grant will be paid monthly. In the case of graduate students, only bona fide students who give full time to their studies are eligible for the grant.

BURSARIES

A bursary is a financial award which does not have to be repaid. It is made, on the basis of need, to a student whose academic achievement, promise and character make him worthy of support. Bursaries are not awarded to students with averages of less than 65%. In addition to the bursary assistance listed below, attention is drawn to the bursary provisions associated with Dominion-Provincial Loans and with Faculty of Agriculture Loans indicated above.

Alumni Bursaries. Two bursaries of $200 each are offered by the Macdonald Branch of the McGill Graduates' Society. One will be awarded to a student entering the B.Sc.(Agr.) course, the B.Sc.(H.Ec.) course, or the B.Ed. course. One will be awarded a student entering the Second year of one of these courses. The winner of the entrance bursary will be considered along with other applicants for the Second year bursary.

Application must be made to the Registrar before September 1st, on forms provided.

Children of War Dead (Education Assistance) Act. Under this Act fees and monthly allowances are provided for children of veterans whose death was attributable to military service. Enquiries should be directed to the nearest District Office of the Department of Veterans Affairs.

Ottawa Valley Graduates' Society Bursary of the value of $100. This bursary is given through the Ottawa Valley Branch of the Graduates' Society. The winner is selected by the University from candidates who have written (1) The McGill School Certificate Examination or (2) The Quebec Catholic or Protestant High School Leaving Examination or (3) The Ontario Grade 12 Examination or (4) The McGill Senior School Certificate or (5) The Ontario Grade 13, or (6) The Quebec Catholic or Protestant Senior High School Leaving Examination.

Applications must reach the Registrar's Office, McGill University before September 1st.

B'nai B'rith Bursaries. Three bursaries of $100 each have been given by the Mount Royal Lodge of B'Nai B'rith. These bursaries are open to men and women students *in any faculty.* Need and scholarship will determine the award. Applications in writing must reach the Registrar's Office, McGill University, before the end of August.

B'nai B'rith Hillel Foundation Bursary. This Bursary of $200, established by the B'nai B'rith Hillel Foundation of McGill University, is awarded by the University Scholarships Committee to a deserving student, irrespective of race, colour, or creed, in any faculty, preference being given to a student returning from service in the armed forces.

Frederick Southam Ker Bursary. This bursary was established in 1941 by the late F. N. Southam in memory of his grandson, Frederick Southam Ker, who was killed in action on September 6th, 1940. This bursary of $175 is open on equal terms to men and women of all faculties without respect to religion or race. It is awarded to a student who gives promise of becoming a good citizen but is handicapped in his or her academic course by lack of funds. Financial need, character, and academic record are all taken into account in making the award.

St. Francis District Graduates' Society Bursary. This Bursary of $250 is restricted to residents of the area covered by the St. Francis District Branch of the Graduates' Society and is open to pupils of any high school or private school entering any faculty or school of McGill University, including Macdonald College. The Bursary may be renewed for a second year. An amount of $150 of the Bursary is to be repaid by the holder at the rate of a minimum of $50 per year after graduation. The award is made by the St. Francis District Branch of the Graduates' Society on the recommendation of the University Scholarships Committee. Application forms may be obtained from the Registrar's Office, McGill University.

SCHOLARSHIPS

A scholarship is an honour granted for distinguished academic performance, and unless otherwise specified carries no stipend. However, the holder of a scholarship, on proof of need, has preferred claim to financial aid. Scholarships are not granted to students with academic averages below 70%.

Students in the Faculty of Agriculture are eligible to apply for the following University scholarships. Applications are to be sent to the Registrar, McGill University, Montreal 2, Que., before July 1st, unless otherwise stated.

National Scholarships: A number of National Scholarships, in addition to the Morris W. Wilson Memorial Scholarships, will be awarded by the University Scholarships Committee to enable outstanding students from all parts of Canada, who would not otherwise be able to do so, to attend the University. These will be awarded both to students entering undergraduate degree courses by means of matriculation examinations and to students entering any professional faculty of the University except the Faculty of Graduate Studies and Research. The undergraduate work of students entering such professional faculties as Medicine, Dentistry, Law, Divinity, etc., must have been completed at some other university.

These scholarships will normally be tenable for the period necessary to obtain a degree. The amount awarded will depend upon need, but may extend to the full costs of tuition, residence, and board. As far as possible, holders will be accommodated in University residences, but this cannot be guaranteed. Normally, National Scholarships will be awarded only to students who reside outside the Montreal area. (It should be noted, however, that the existing University Entrance Scholarships are awarded to students from the Montreal area.)

Two of these National Scholarships have been made possible through the generosity of Mr. David Wolfson and two winners will, therefore, be designated as David Wolfson Scholars.

Applications should be made on forms to be obtained from the Registrar, McGill University, Montreal 2, Que., and should be submitted on or before June 1st.

University Scholarships. Certain scholarships implying exceptionally high achievement have been designated "University Scholarships" by Senate.

The winner of a University Scholarship receives the title and status of a "University Scholar."

The maximum value of a University Scholarship for students living at home is the tuition fee of the holder. Students who must live away from home in order to attend the University may receive an additional grant not exceeding $500. In each case the grant actually awarded will depend upon the financial needs of the winner.

A University Scholarship is renewable annually provided that in the opinion of the University Scholarships Committee the holder maintains a sufficiently high academic standing. No application is required.

Morris W. Wilson Memorial Scholarships. Established by contributions from a large number of intimate friends and business associates of the late Morris W. Wilson as a memorial to a distinguished citizen who, among his many public activities, rendered distinguished service to the cause of education, and who, at the time of his death, occupied the office of Chancellor of McGill University. The creation of the fund marks the culmination of a hope long cherished by Mr. Wilson, that of supplying the means whereby young Canadian boys and girls of outstanding ability and promise, but in poor financial circumstances, might obtain the benefits of a university education. It is hoped that this fund may be the means of assisting many deserving young Canadians, particularly those from rural areas, to become better equipped to perform the duties of citizenship and so more effectively to apply their abilities to the general development and welfare of the country.

These Scholarships are open on equal terms to men and women of Canadian parentage, now resident in Canada, and are open only to students who wish to enter the Faculty of Arts and Science, the Faculty of Engineering, or the degree course in Agriculture at Macdonald College. Each Scholarship covers the full tuition fee of the student, as well as the cost of board and residence at Douglas Hall, the Royal Victoria College, or Macdonald College, for the full period necessary to enable the student to obtain his degree. The holder will normally forfeit the Scholarship if, during his course, he fails to maintain academic standing satisfactory to the Selection Committee.

Canadian Pacific Railway Scholarships. Scholarships covering five years' tuition in Chemical, Civil, Mechanical, or Electrical Engineering, or six years' tuition in the School of Architecture, or four years' tuition in the Arts courses of the Faculty of Arts and Science, or in the School of Commerce, or four years in the School of Household Science, Macdonald College, are awarded annually by the Canadian Pacific Railway Company. These are open for competition to apprentices and other employees of the Company under twenty-one years of age, as well as to minor sons and daughters of employees. The method of award is that of the University Entrance Scholarships described in the Scholarships Announcement, candidates being required to submit:

(a) their complete High School record,

(b) their marks or grades in any recognized examination,

(c) confidential letters from their school principals.

Forms of eligibility and full particulars as to the number of scholarships available, etc., may be obtained from Mr. G. A. Smyth, Superintendent of Pensions and Staff Registrar, Pension Department, C.P.R. Offices, Montreal. Applications, on forms obtainable from the Registrar's Office, accompanied by statements of eligibility from Mr. Smyth, must reach the Registrar's Office before 1st July.

Isabella C. MacRae Scholarship. This scholarship of $150 is open to residents of Maxville, Ont., who have satisfied the requirements for entrance to McGill University. Should there be no successful applicants from this locality for six years, the scholarship will subsequently be open to any resident in Ontario.

Christie-Storer Scholarship. A scholarship of the value of $150, endowed by the above-named Chapter of the I.O.D.E. in memory of the men of St. Lambert who fell in the Great War, 1914-18, is awarded annually to the pupil residing in St. Lambert who stands highest in the June High School Leaving examination each year at the Chambly County High School.

General Motors Scholarships. Three entrance scholarships at McGill University have been established by the General Motors Corporation of Canada and are open to outstanding young Canadian men and women entering the Faculty of Arts and Science, the Faculty of Engineering, or the degree courses in Agriculture or Household Science at Macdonald College. The scholarships are renewable annually until the holders obtain their first degrees provided they maintain a satisfactory academic standing. Should a holder withdraw or fail to maintain a satisfactory standing the scholarship may be awarded to another qualified candidate who is a member of the same class. The amount of each award is flexible and will range from an honorary award of $200 up to an award of $2,000 a year depending upon the demonstrated need of the individual. Applications must be submitted on or before the 1st of July.

Scholarship granted by the Graduates' Society of the District of Bedford. This scholarship of $140 is awarded each year to a student who has taken his or her High School classes (Grades IX, X, and XI) in one of the High Schools of the District of Bedford and who enters the University or Macdonald College to take any full-time degree course. The award, which may be divided between two students, is based on the results of the High School Leaving marks and is awarded by the District of Bedford Graduates' Society upon the recommendation of the University Scholarships Committee.

Khaki University and Y.M.C.A. Memorial Scholarship Fund. The interest on this fund is awarded in scholarships by the Scholarships Committee subject to the following conditions:

1. That the scholarships may be held by undergraduates only;
2. that preference be given to sons and daughters of soldiers:
   (a) who served in the war of 1914-18
   (b) who served in the war of 1939-45.

Leonard Foundation Scholarships. The Leonard Foundation created in 1916 by the late Colonel Reuben Wells Leonard and Mrs. Leonard offers each year a number of scholarships tenable at schools, colleges, and universities in Canada, approved by the Foundation.

The scholarships are open to men and women. A student to be eligible must be "a British subject, of the white race, of the Christian Religion in its Protestant form, and of the full age of fourteen years".

The amount of the award will vary with the need of the winner.

Sons and daughters of the following are given preference in the selection of scholars:

(a) Clergymen, (b) School Teachers, (c) Officers, Non-Commissioned Officers, and Men, whether active or retired, of His Majesty's naval, military, or air forces, (d) Graduates of the Royal Military College,

(e) Members of the Engineering Institute of Canada, (f) Members of the Mining and Metallurgical Institute of Canada.

Men and women returning from active service are also given preference over the non-preferred class.

The University is willing to endorse and forward with its recommendation applications of any candidates who may wish to apply through the University and are approved by it.

Such candidates must make their applications on forms to be obtained from the Registrar's Office, McGill University, and must return these to the Registrar before January 1st.

Montreal Branch, Canadian Women's Press Club Scholarship in Journalism. This scholarship of $150 is open to women students in any faculty at McGill University, who are spending at least another year at the University.

The qualifications are high academic standing and definite ability in writing. Preference will be given to students who intend to make journalism a career and have taken an active interest in student publications.

The scholarship is restricted to Canadian citizens.

Applications should be made by letter, giving qualifications, to the Registrar, McGill University, Montreal 2, Que., on or before April 15th.

Tignish Scholarship. This scholarship of $500 is open to students from any one of the four Maritime provinces and is tenable for one year only. It is open to students entering the Faculties of Arts and Science, Engineering, Agriculture, or the School of Household Science, and is awarded by the University Scholarships Committee on the basis of academic standing and financial need. Application should be made on the regular Entrance Scholarship form to the Registrar, McGill University, Montreal 2, Que.

PRIZES:

Prizes are awards made on a competitive basis for achievements in specified fields.

The J. M. Rutherford Memorial Prize. The J. M. Rutherford Memorial Prize of $100 is offered annually for some original work or study undertaken by a student of the University, on his own initiative, preferably outside the regular work for his or her degree. Candidates may be nominated by any member of the University staff or may apply in writing directly to the Registrar, submitting evidence of their qualifications.

Entries or nominations must reach the Registrar, McGill University, Montreal 2, Que. *not later than May 1st.* The award will be made by the University Scholarships Committee. Students registered in the Faculty of Graduate Studies and Research are not eligible to compete for this Prize.

The competition is restricted to those students who have not previously won the Prize.

Other University Awards. In addition to the foregoing, there are a number of scholarships and bursaries which are administered by the University Scholarships Committee and which are open to students in any Faculty or School. Information concerning these will be found in the announcement of Scholarships, Bursaries, Prizes and Medals, a copy of which may be obtained from the Registrar, McGill University, Montreal 2, Que.

FACULTY OF AGRICULTURE MEDALS, SCHOLARSHIPS AND PRIZES: B.Sc. (H.Ec.) COURSE

Stewart Medals. The Stewart medals, which are named in recognition of the long and continued support and interest of Mr. and Mrs. Walter M. Stewart in the academic progress and welfare of Macdonald College students, are awarded annually for academic achievement to the students ranking highest in the First and Second years of the B.Sc. (H.Ec.) course.

Lieutenant-Governor's Gold Medal. His Honour the Lieutenant-Governor of the Province of Quebec donates annually a gold medal which is awarded to the student who ranks highest in the Third year class in Home Economics.

Lieutenant-Governors' Silver Medal. His Honour the Lieutenant-Governor of the Province of Quebec donates annually a silver medal which is awarded to the student who ranks highest in the practice teaching option in the Fourth year of Home Economics.

Governor General's Medal. His Excellency the Governor General of Canada donates a medal to be awarded to the student in Home Economics who ranks highest in the graduating class.

Mrs. Alfred Watt Memorial Prize. A Prize has been established by the Quebec Women's Institutes as a memorial to a distinguished Canadian, Mrs. Alfred Watt, M.B.E., who introduced the idea of Women's Institutes in England and Wales and was President of the Associated Country Women of the World from 1930 to 1947. This prize, valued at $100 annually, is awarded to a student from rural Quebec in the Second, Third or Fourth year of the B.Sc. (H.Ec.) course who shows qualities of leadership and is worthy of financial encouragement to complete her course.

Frederica Campbell Macfarlane Prize. A prize has been donated by the Quebec Women's Institute in memory of the late Frederica Campbell Macfarlane, graduate in Institution Administration, 1912, Superintendent of the Quebec Women's Institute from 1913 to 1919. This prize, valued at $100, is open only to students from a rural district of the Province of Quebec, and is awarded on the results of the final examinations in any one of the first three years of the B.Sc. (H.Ec.) Course.

Harrison Prize. A prize established by an endowment of $300 under the will of the late Dr. F. C. Harrison, Principal of Macdonald College from 1910 until 1926; awarded to the student of the B.Sc. (H.Ec.) course who graduates with the highest standing.

Class of 1953 Book Prize. Graduates of the class of 1953 (Agriculture and Household Science) have established a fund, the proceeds of which are used to provide a prize in books for the student with the highest standing in all the courses of the Second year curriculum. The prize will be awarded in the B.Sc.(Agr.) course in odd-numbered years; in the B.Sc.(H.Ec.) course in even-numbered years.

Home Economics Club Prize. The Home Economics Club of Macdonald College offers a prize of $25 to the student with the highest aggregate in Household Science subjects during the Second and Third years. The award will be made at the end of the Third year.

I.O.D.E. Bursary. The Imperial Order Daughters of the Empire offers a bursary of $200 to a British student who has successfully completed the Second year of the B.Sc. (H.Ec.) course and has obtained satisfactory standing. The bursary is offered to aid a worthy student who is in need of financial assistance in order to complete her studies. It is payable in two equal instalments at the beginning of the Third and the Fourth years of the course. Other considerations being equal, preference will be given to a candidate from rural Quebec. Application must be made to the Registrar before October 1st, on forms supplied by the College.

Montreal Home Economics Association Bursary. The Montreal Home Economics Association offers a bursary of $150 to a deserving student in one of the senior years of the B.Sc. (H.Ec.) course. Applications must be made to the Registrar before October 1st.

Janet Morison Robb Bursary for Women. This bursary was established, by an endowment of $2,000, by the late Honourable James A. Robb, formerly Member of Parliament for Chateauguay-Huntingdon and Minister of Finance, Canada, in memory of his deceased daughter, Janet Morison Robb, wife of Hugh Harvie Donald. The annual bursary will be the income from the endowment for one year.

Preference will be given to women students resident in either of the counties of Chateauguay-Huntingdon, or Beauharnois, who are daughters of widowed mothers of limited or moderate means, or daughters of widowers in similar financial circumstances, or daughters of disabled Canadian soldiers who have seen active service.

Candidates for this bursary are requested to make written application, addressed to the Registrar, Macdonald College, Que., giving full particulars of the grounds upon which their applications are based, and to provide letters from two responsible persons in support of their claims.

B.Sc. (Agr.) COURSE

Macdonald Medals. As a tribute to Sir William Macdonald, and in recognition of academic achievement, Mr. and Mrs. Walter M. Stewart of Montreal have donated two medals for annual competition, one medal to be awarded to the student with the highest aggregate standing in the First year, and one to be similarly awarded in the Second year of the B.Sc. (Agr.) course.

Lieutenant-Governor's Medal. His Honour the Lieutenant-Governor of the Province of Quebec donates annually a medal, which is awarded to the student who ranks highest in the Third Year in Agriculture.

Governor General's Medal. His Excellency the Governor General of Canada donates a medal to be awarded to the student in Agriculture who ranks highest in the graduating class.

Eliza M. Jones Scholarships. Four scholarships have been established by a bequest of the late F. P. Jones in memory of his mother. They are restricted to applicants who are entering the B.Sc. (Agr.) course for the first time. They have a minimum value of $300 and a maximum value of $500. Two are reserved for students who are entering the First year of the course and two for students entering the Third year of the course.

Application forms may be obtained from the Registrar, and all applications must be made before September 1st. Candidates for First year scholarships are required to submit their complete high schoo record, their matriculation or school leaving marks. Candidates for Third year scholarships are required to present records of their academic attainment for the first two years of college work. In all cases the Registrar will ask for a recommendation from officers or Faculty members of the school or college attended.

Nova Scotia Agricultural College Scholarship. Macdonald College offers a scholarship of $600 to the student of the Nova Scotia Agricultural College who obtains the highest standing in the work of the Second year of the degree course in that College, and who subsequently registers in the Third year at Macdonald College. The scholarship will be paid in two instalments: half at the beginning of the Third year, half at the beginning of the Fourth year.

Borden Company Limited Scholarship. A scholarship of $300 is offered by the Borden Company Limited of Canada to encourage promising students who take a course of study of value to the dairy industry. The award will be made to a student on completion of his Third year, half payable at the beginning of the first term of the Fourth year, the balance at the beginning of the second term. The following factors

will be considered in making the award: high standing in the subjects of his course during the Third year with emphasis on dairying, dairy chemistry, or dairy bacteriology; participation in student organizations and college activities; co-operation with students and staff in the advancement of the interest of the student body and the College as a whole.

Daughters of the Empire Prize. As a recognition of the value of agricultural education in their Province and Country, the Imperial Order Daughters of the Empire, Quebec Provincial Chapter gives a prize of $200, tenable during the Third and Fourth years of the B.Sc. (Agr.) course, to the British student who obtains the highest marks in the final examinations of the Second year. The award is payable to the winning student in two instalments of $100 each at the beginning of his Third and Fourth years respectively.

Steinberg Prizes. Two prizes of $100 each are awarded annually by Steinberg's Limited to students in the Third year of the B.Sc. (Agr.) course. One is awarded to the student ranking first in the Animal Husbandry option, and the other to the student ranking first in the Horticulture option.

Robert Raynauld Prizes. Four prizes are offered by Robert Raynauld, M.S.A. '28, publisher of *La Ferme.* Two prizes, of $60 and $40 respectively, are awarded to the students standing first and second in course Agronomy 442—Project. The decision is based on both written and oral presentation.

Two prizes of $60 and $40 respectively are awarded to the students standing first and second in the examinations of the Third year of the Agronomy Option.

Chemical Institute of Canada Prize. The Chemical Institute of Canada offers a prize of books to the value of $25 to the student in the Chemistry Option with the highest standing at the end of the Third year.

Society of Chemical Industry Prizes. Two prizes, one of $50 and one of $25, are offered by the Montreal Section of the Society of Chemical Industry (Canadian Section), for an original essay on a chemical subject. Undergraduate students are eligible to present papers. Further details may be obtained from the Chairman of the Chemistry Department, or from the Registrar's Office.

Lochhead Memorial Prize. A prize established by an endowment of $400 in memory of William Lochhead, B.A., M.Sc., the first Professor of Biology at Macdonald College. It is awarded to the student, majoring in Entomology, who takes the highest standing in the Fourth year, the

prize, in value equal to the proceeds of the endowment for one year, to be in books selected by the winner with the approval of the Chairman of the Department of Entomology.

Class of 1953 Book Prize. Graduates of the class of 1953 (Agriculture and Household Science) have established a fund, the proceeds of which are used to provide a prize in books for the student with the highest standing in all the courses of the second year curriculum. The prize will be awarded in the B.Sc.(Agr.) course in odd-numbered years; in the B.Sc.(H.Ec.) course in even-numbered years.

T. J. Rutherford Essay Prize. A first prize of $60, and a second prize of $30 are offered through the generosity of Brig. T. J. Rutherford, Chairman of the Farm Credit Corporation for essays on the subject

> "The Voluntary and Progressive Reorganization of Canadian Agriculture into Economically-sized Family Farm Units—Its Advantages to the Economy and its Practicability where Ample Well-directed Credit is Available."

Essays should not be longer than 10,000 words, and must be submitted before December 31, 1961, to the Chairman, Department of Agricultural Economics, Macdonald College.

Stern Cup. Sir Edward D. Stern, Fan Court, Chertsey, Surrey, England, has donated a silver challenge cup, which is held for one year by the student who makes the highest aggregate in Stock Judging in the final year of the subject.

Cutler Shield. Mr. Garnet H. Cutler, Professor of Agronomy, Purdue University, Lafayette, Indiana, the first lecturer in Cereal Husbandry, Macdonald College, has donated a bronze challenge shield, which is held for one year by the student majoring in Agronomy, who makes the highest aggregate in the final year.

Conklin Trophy. Dr. Raymond L. Conklin has donated a trophy to be held for one year by a student in any year of the B.Sc.(Agr.) course who has, in any one session, played on the College rugby team and in one other team sport and who, in the same year, has maintained high academic standing. The winner's name will be engraved on a shield on the trophy which will be awarded only once to any individual.

Janet Morison Robb Bursary for Women. See page 4638.

DIPLOMA COURSE

Lieutenant-Governor's Medal. His Honour the Lieutenant-Governor of the Province of Quebec, gives annually a bronze medal, which is awarded to the student who takes the highest percentage in General Proficiency in the First year of the Diploma Course.

Minister of Agriculture's Medals. The Honourable Minister of Agriculture of the Province of Quebec offers annually three bronze medals in connection with the Diploma Course, Second year Class, to be presented to the students ranking first in the Agronomy, in the Animal Science and in the Horticulture Groups respectively.

Minister of Agriculture's Prize. The Honourable Minister of Agriculture of the Province of Quebec donates a prize each year to the student graduating in the Diploma course who has shown the greatest general improvement during the two years of the course.

La Ferme Prize. Robert Raynauld, M.S.A., Editor of *La Ferme* magazine, offers a prize of $25 for competition among students of the Second year of the Diploma Course who come from farm homes and who intend to return to farming after graduation. The prize will be awarded to the eligible student who presents the best project.

The Vernon E. Johnson Woodlot Award. The Canadian International Paper Company offers a prize of $25 for the student of the Diploma Class who before graduation has completed most successfully a project on his own farm woodlot, or on a small area of a neighbouring woodlot. In general an area of at least two acres of woods is required for the contest. The purpose is to carry out timber stand improvement practices in consultation with the Department of Woodlot Management, using the methods developed in Farm Forestry 11a, one acre being treated, the other held as a check on the progress of the treated acre.

Q.W.I. Bursary. The Quebec Women's Institute provides a bursary of $100 to the student entering the Second year of the Diploma Course, who:—

(1) Is a professional farmer's son, (or daughter) from the Province of Quebec.

(2) Has spent at least one season (seed time to harvest) in his father's employ on the farm.

(3) Intends to return to his father's farm for at least one year on completion of his course (or to manage his own farm).

(4) And who, if more than one candidate presents himself as fulfilling the above three requirements, takes the highest proficiency in agricultural subjects in the First year or, if he is the only candidate, obtains at least class II standing in these subjects.

If no student can qualify for the above, this bursary will be made available as an entrance bursary to the First year of the Diploma Course.

Fisher Trust Fund. In memory of the late Honourable Sydney A. Fisher, formerly Member of Parliament for Brome County and Minister of Agriculture, Canada, two agricultural prizes of $75 a year each tenable at Macdonald College for two years are offered, for the Diploma Course in Agriculture, on the following conditions:—

1. The candidates must be sons of farmers in the County of Brome, co-operating in farm activities during the period of their college course.

2. The candidates must be at least sixteen years of age.

3. The candidates must have passed at least grade IX of the High School course.

4. These awards will be continued from term to term only upon favourable reports from the Dean of the Faculty of Agriculture.

Applications must be sent, on or before the 1st of October, to the Chairman of the Fisher Trustees, R. F. Cowan, Mansonville, Que.

Ellin Beit-Speyer Bursary. Miss Ellin Beit-Speyer, of Springmount Jersey Farm, Massawippi, Que., provides a bursary of $200 to a student in the First or Second year of the Diploma Course.

Participation in Club activities, farm background and need will be considered in making the award.

Applications should be addressed to the Registrar's Office, Macdonald College, before October 1st.

GRADUATE SCHOLARSHIPS

The Walter M. Stewart Postgraduate Scholarships in Agriculture have been established by the donor to permit promising students from the Oka Agricultural Institute and l'Ecole Supérieure d'Agriculture at Ste. Anne de la Pocatière, to undertake postgraduate studies at Macdonald College. One scholarship of $1,000 is available each year to a student from each of these institutions. Application should be made to the Director of the institutions concerned before May 1st each year. The scholarships will not be awarded to students who would, including this scholarship, be in receipt of scholarships, fellowships, assistantships, etc. to a value of $2,000 or more per annum.

Cyanamid Scholarship in Agricultural Engineering. The Cyanamid Company of Canada, Ltd., offers a scholarship of $750 to the student who graduates with the highest standing in Agricultural Engineering

Option, and who proceeds to further studies either in Mechanical Engineering at McGill University or in past-graduate work leading to an M.Sc. or Ph.D. degree.

C.I.L. Fellowship. A postgraduate Fellowship in Agriculture for research related to the agricultural chemicals industry, of the value of $2,000, with an additional grant of $400 for research expenses and tenable at Macdonald College by students proceeding to a Ph.D. degree is offered by Canadian Industries Limited to university graduates who are Canadian citizens or to university graduates who are intending to follow a career in Canada. Preference is given to Canadian citizens. Upon completion of the year's work, a written report outlining work performed under the Fellowship or a copy of the thesis prepared for his degree shall be submitted by the Fellow to Canadian Industries Limited.

Normally the Fellowship will be tenable for one year only, but in special cases may be renewed for a second year.

Applications, addressed to the Registrar, must be made before May 15th each year.

Cominco Fellowship. The Consolidated Mining and Smelting Company of Canada, Limited, offers annually a fellowship of $1000 for research related to metals, fertilizers, and chemicals; an additional grant up to $200 may be made for research expenses or for continuance of the investigation. The fellowship is open to graduates of any approved university, in Science, Engineering, or Agriculture, who will normally be proceeding towards a higher degree at McGill. Canadian applicants are preferred. The topic of research will be selected in consultation with the donors and with the Dean of the Faculty of Graduate Studies and Research, to whom application should be made not later than May 1st.

Other Graduate Fellowships. A number of Graduate Fellowships are available to students entering the Faculty of Graduate Studies and Research. These have a fixed value of $1,200 for ten months plus tuition fees. Further particulars may be obtained from the Dean of the Faculty of Graduate Studies and Research.

The Sir Vincent Meredith Fellowship in Agricultural Economics. The Fellowship valued at $2,500 per year is tenable for a two-year period. The fellow must qualify for admission to graduate work in Economics at the Ph.D. level as set out in the announcement bulletin of the Faculty of Graduate Studies and Research of McGill University, and will be required to pursue research or thesis work on an approved subject in the area of Agricultural Economics. Limited teaching or other duties attach to the tenure of this Fellowship. Inquiries and applications should be addressed to the Department of Agricultural Economics, Macdonald College, prior to March 15th.

Approximate Cost of Courses per Session

Course	Tuition	Board and Residence	Textbooks, supplies, etc. (estimate)	Total
B.Sc.(Agr.)	285.00	465.00	85.00	835.00(1)
B.Sc.(H.Ec.)	285.00	465.00	85.00	835.00
Diploma in Agriculture—				
Sons of farmers of Quebec, the Ottawa Valley in Ontario, the Maritime Provinces	35.00	320.00	30.00	385.00(2)
Others	250.00	320.00	30.00	600.00(2)
Agriculture Specialist Teacher's Certificate	235.00	590.00	50.00	875.00

(1) Students who have lived in Quebec 2 years or more, receive a Quebec Government grant of $140.00.

Students who have lived in Quebec less than 2 years, receive a Quebec Government grant of $70.00.

(2) Students who have lived in Quebec 2 years or more, receive a Quebec Government grant of $100.00.

Students who have lived in Quebec less than 2 years, receive a Quebec Government grant of $50.00.

TIMETABLE, 1961-62

FACULTY OF AGRICULTURE

and

SCHOOL OF HOUSEHOLD SCIENCE

Courses designated "a" are given in the first term only.
Courses designated "b" are given in the second term only.
Courses designated "c" may be given in either term.
Courses with no letter designation continue throughout both terms.

Code

A — Agricultural Building	E — Agricultural Engineering Building.
B — Biology Building	M — Main Building
C — Chemistry Building	P — Poultry Building
M — Monday	Th — Thursday
Tu — Tuesday	F — Friday
W — Wednesday	S — Saturday

Example: Tu. Th. 8:30—C228 = Tuesdays and Thursdays at 8.30 in Room 228 in the Chemistry Building.

Agriculture:

220 Tu. Th. S. 9:30—P202.

Agricultural Engineering:

11 M. W. F. 11:30—E106; Lab. Tu. 1:30, 3:30—E10.
21 M. W. F. 9:30—E106; Lab. F. 1:30, 3:30—E2, E4.
330 Tu. 10:30—E106; Lab. W. 3:30—E208—1st term.
Tu. 9:30—E106; Lab. Tu. 3.30—E208—2nd term.
332b M. 1:30, 3:30—E10.
334b Tu. Th. 11:30—E106; Th. 1:30, 3:30—E10.
337 W. F. 10:30—E106.
338 F. 8:30—E102; Lab. M. 1:30—E2, E4—1st term.
F. 8:30—E102; Lab. Tu. 1:30—E102—2nd term.
431b M. W. 10:30—E102; Lab. Th. 1:30—E208.
433a M. W. 8:30—E10; Lab. Th. 1.30, 3:30—E10.
435 Lab. M. 3:30, F. 1:30, 3:30—E208—1st term.
W. 1:30, F. 1:30, 3:30—E208—2nd term.
437 M. 10:30—E106; Lab. W. 3:30—E106—1st term.
Th. 9:30—E106; Lab. W. 3:30—E106—2nd term.
439 Tu. Th. 8:30—E106.
439a Tu. Th. 8:30—E106.
440 Tu. Th. 9:30—E102; Lab. Tu. 3:30—E202—1st term.
M. W. 8:30—E102; Lab. Tu. 3:30—E202—2nd term.

Agronomy:

11a M. W. F. 10:30—A204.
19b Tu. Th. 10:30—A248; Lab. Th. 1:30—A230.
21a Tu. Th. 10:30—A160; Lab. W. 1:30—A230.
22b Tu. Th. 9:30—A202; Lab. W. 1:30—A202.
23a Tu. W. Th. 11:30—A248; Lab. Th. 1:30—A230.
27b Tu. Th. 8:30—A204; Lab. Tu. 1:30—A204.
331b W. F. 11:30—A204; Lab. Tu. 3:30—A230.
343 Tu. Th. 10:30—A202; Lab. S. 9:30, 10:30—A230—1st term.
Tu. Th. 10:30—A202; Lab. Tu. 1:30—A230—2nd term.
345 Lab. F. 1:30, 3:30—A230—1st term.
Lab. F. 1:30—A230—2nd term.
432a M. W. 9:30—A202; Lab. W. 3:30—A230.

Agronomy: (*Cont'd*)

435b Tu. Th. 8:30—A248; Lab. M. 1:30—A204.
436b W. F. 10:30—A204; Lab. W. 1:30—A204.
438b M. W. 8:30—A204.
442 M. 11:30—A248.
444a Lab. Tu. Th. 9:30—A248.
446a M. F. 10:30—A248.

Animal Science:

11 M. F. 9:30; Lab. Th. 3:30—A106.
12a Tu. Th. 8:30; Lab. M. 3:30—A106.
21 Tu., Th. 8:30—A202.
22b M. Tu. Th. F. 10:30—P202; Lab. W, 1:30, 3:30—A106.
23a M. W. F. 10:30; Lab. M. 1:30—P202.
25b Tu. Th. 11:30—P202; Lab. Tu. 1:30—A106.
330b M. W. F. 9:30—A202.
331a Tu. Th. 11:30; Lab. W. 1:30—A106.
339b Tu. Th. 8:30; W. 11:30—A106; Lab. W., 3:30—P202.
430 M. W. 8:30; Lab. F. 8:30—A202—1st term; A248—2nd term.
432b M. W. F. 10:30; M. 3:30—A106.
433a Tu. Th. 10:30; W. 3:30—A106.
434b Tu. Th. 11:30; Lab. Tu. 3:30—A106.
435a M. W. F. 10:30—A106.
436b Tu. Th. 9:30; M. 1:30—A106.
437 Tu. Th. 9:30; Lab. Th. 1:30—A106—1st term.
Lecture. Tu. Th. 10:30; Lab. Th. 1:30—A106—2nd term.
438a W. F. 11:30; Lab. M. 1:30—A106.
440 M. 11:30—A106.

Art:

300a Tu. Th. 8:30—M224; Lab. Th. 1:30—M113.

Bacteriology:

11b W. 8:30—B202; Lab. F. 3:30—B116.
330b Tu. Th. 9:30—B216; Lab. Section 1—M. W. 1:30—B116.
Section 2—M. 3:30; W. 10:30—B116.
333b Tu. 8:30—B202; Lab. M. W. 3:30; Th. 1:30—B128.
432a M. W. 8:30—B202; Lab. M. F. 3:30—B116.
434a Tu. Th. 9:30—B216; Lab. M. F. 1:30—B116.
435a M. W. 9:30—B202; Lab. Tu. Th. 10:30—B116.
438b M. W. 9:30—B202; Lab. M. W. 1:30—B126.
437 M. 11:30—B202.

Biology:

11a Tu. Th. 11:30; Lab. F. 1:30—B196.
13a Tu. Th. 10:30—B202; Lab. F. 3:30—B224.
21b M. F. 8:30—B202; M. 1:30, 3:30—B110.
120 Section 1—Tu. Th. S. 8:30—B216;
Section 2—M. W. F. 11:30—B216;
Lab. Section 1—M. 1:30, 3:30—B212, B-204, B-224.
Lab. Section 2—W. 1:30, 3:30—B224, B212, B204.
Lab. Section 3—Th. 1:30, 3:30—B212, B224.

Botany:

210b W. F. 10:30—B216; Lab. F. 1:30, 3:30—B212, B224.
330b Tu. Th. 11:30; Lab. M. W. 3:30—B196.
331b Th. 8:30—B202; Lab. Th. 1:30, 3:30—B110.
334a F. 10:30—B110; Lab. W. 1:30, 3:30—B110.
432a W. 9:30; Lab. S. 8:30, 10:30—B224.
433 Lab. Tu. 1:30, 3:30—B116—1st term.
Lab. Tu. 1:30—B116—2nd term.

Chemistry:

11b Tu. Th. 11:30—C208; Lab. F. 1:30—C126.
110 M. W. F. 8:30—C218; Lab. Sections 1 & 2—Tu. 1:30, 3:30—C116;
Section 3—M. 1:30, 3:30—C116.
220 M. W. F. 9:30—C218; Lab. W. 1:30, 3:30—C116, C226.
331a Th. 10:30—C228; Lab. Th. 1:30, 3:30—C126.
332a M. F. 8:30—C208; Lab. F. 1:30, 3:30—C116.
333a Tu. Th. 11:30—C228; Lab. M., 1:30, 3:30; Tu. 1:30, 3:30—C126.
334b Tu. Th. 10:30—C214; Lab. Tu. 1:30, 3:30; S. 8:30, 10:30—C126.

Chemistry: (*Cont'd*)

335a Tu. Th. 11:30—C228; Lab. M. 1:30; Tu. 1:30, 3:30—C126.
336b Tu. Th. 10:30—C214; Lab. Tu. 1:30, 3:30; S. 8:30—C126.
347b Tu. Th. 11:30—C228; Lab. F. 1:30, 3:30—C116.
354 Tu. Th. 8:30—C208; Lab. F. 1:30, 3:30—C226—1st term.
Tu. Th. 8:30—C208; Lab. Th. 1:30, 3:30—C226—2nd term.
439 Tu. 10:30—C228; Lab. Tu. 1:30, 3:30—C34.
441 M. 11:30—C218.
448b W. F. 11:30—C214; Lab. F. 1:30, 3:30—C226.
450a M. W. 9:30—M333; Lab. M. 3:30; S. 9:30—M333.
451a Tu. Th. 8:30—C228; Lab. Th. 1:30, 3:30—C124.
452b Tu. Th. 9:30—C228; Lab. M. 1:30, 3:30—C124.

Clothing:

230 Labs. M. 1:30, 3:30 & Th. 1:30—M327—1st term.
or Th. 1:30 & F. 1:30, 3:30—M327—1st term.
Labs. Tu. 1:30, 3:30 & Th. 3:30—M327—2nd term.
or Th. 3:30 & F. 1:30, 3:30—M327—2nd term.
440 Labs. Tu. 1:30, 3:30; F. 3:30—M324—1st term.
Labs. M. 1:30, 3:30; F. 1:30—M324—2nd term.

Economics:

17b M. W. F. 10:30—A202.
28a M. W. F. 8:30—A248; Lab. W. 3:30—A248.
100 M. W. 9:30—Assembly Hall; Tutorial F. P.M.—to be arranged.
220b M. W. F. 8:30—A202.
330b M. W. F. 11:30—A202.
331b M. W. F. 9:30—A160.
332a M. W. F. 9:30—A248.
333 M. W. F. 11:30—A202—1st term.
M. W. F. 8:30—A160—2nd term.

English:

12 M. W. F. 9:30—A204.
27 M. 11:30—B224; Lab. M. 3:30—B202—1st term.
W. 8:30—B224; Lab. Tu. 3:30—B202—2nd term.
100 M. 10:30—Assembly Hall. Section 1—Tu. Th. S. 9:30;
Section 2—Tu. Th. S. 11:30.
225 Tu. Th. 10:30—Both terms. Section 1—B224.
Section 2—B208.
226 Tu. Th. 10:30—Both terms. Section 1—C110.
Section 2—A248.

331—to be arranged.
332—to be arranged.

Entomology:

330 M. W. 10:30—B204; Lab. W. 1:30, 3:30—B210—1st term.
M. W. 9:30—B204; Lab. W. 1:30, 3:30—B210—2nd term.
335b Lab. M. 1:30, 3:30; Tu. 1:30; F. 8:30—B210.
433 M. W. 9:30; Lab. F. 1:30, 3:30—B204—1st term.
Tu. Th. 9:30; Lab. F. 1:30, 3:30—B204—2nd term.
434b Tu. Th. 11:30; Lab. Th. 1:30, 3:30—B204.
435 Tu. Th. 8:30—B204; Lab. Th. 1:30, 3:30—B210.
436 Tu. 11:30—B202; Lab. Th. 10:30—B210—1st term.
Tu. Th. 10:30—B202; Lab. Tu. 3:30—B210—2nd term.
437 M. 11:30—B204.

Extension Methods:

21b To be arranged.
330 To be arranged.

Farm Forestry:

11a W. 8:30—B296; Lab. S. 8:30, 10:30—Arboretum.

Foods:

220a M. W. F. 8:30—M323.
226, 326 Tu. 8:30—M323—1st term.
Labs. M. *or* F., 1:30, 3:30—M321—1st term.
Tu. 8:30—M323—2nd term.
Labs. Tue. *or* F. 1:30, 3:30—M321—2nd term.

Foods: (*Cont'd*)

332 Tu. Th. 10:30—M320—1st term.
Labs. Tu. *or* W. 1:30, 3:30—M307—1st term.
Tu. 10:30—M323—2nd term.
Labs. Tu. *or* W. 1:30, 3:30—M307—2nd term.
434c Th. 10:30—M323—2nd term.
Labs. Th. 1:30, 3:30—M321—2nd term.

Genetics:

330a M. W. F. 10:30—A202; Lab. M. 1:30, 3:30—A230.

Home Economics Education:

330c M. W. F. 11:30—M323—2nd term.
411 Time to be arranged with the Institute of Education—1st term.
440a M. 11:30; Tu. 8:30; F. 11:30—M320.
441a Tu. F. 10:30—M323; Lab. W. 1:30 *or* 3:30—M323.
442c General Option—Labs. Tu. 1:30, 3:30; W. 3:30—M323—2nd term.
Teaching Option—Labs. Tu. W. 1:30—M323—2nd term.
443 Thursdays as arranged.
453b M. W. F. 10:30—M320.

Horticulture:

15b Tu. 8:30; W. 2:30; Th. 8:30; Lab. W. 3:30—A160.
21b Th. 9:30—A204; F. 11:30—A160; Lab. W. 1:30—A248.
22b M. W. 10:30—A248; Lab. W. 3:30—A204.
23b Tu. Th. 11:30; Lab. Th. 3:30—A160.
24b Tu. Th. 10:30—A204; Lab. Th. 1:30—A160.
338 Tu. Th. 11:30; Lab. W. 3:30—A-160—1st term.
Tu. Th. 10:30; Lab. Tu. 3:30—A160—2nd term.
340b M. 9:30—A248; Lab. Tu. 1:30—A160.
345a M. W. F. 10:30—A160.
432a M. W. 8:30—A160; Lab. Th. 1:30, 3:30—Horticulture Barn.
435b Tu. Th. 9:30—A160.
443a F. 11:30; Lab. F. 3:30—A160.
444b W. F. 10:30—A160; Lab. W. 3:30—A248.
437 M. 11:30—A160.

Household Administration:

220 M. 10:30—M231—1st term.
Th. 8:30—M323; Lab. M. *or* Th. 1:30—M323—2nd term.
331c M. 10:30—M320; Tu. 11:30—M323—1st term.
3 weeks in Home Management House—either term.

Household Science:

110a Tu. Th. 9:30—M323; Lab. F. 9:30 *or* 1:30—M406.

Institutional Administration:

441c Equivalent of 2 labs.—either term.
442b M. Tu. Th. 11:30—M320.
443b W. 10:30; Th. 9:30; F. 10:30—M323.
444a M. W. 10:30; F. 11:30—M323.
445a M. W. Th. 11:30—M323.
446b M. Tu. W. 9:30—M320.

Mathematics:

11 M. F. 8:30—E106.
110 M. W. F. 11:30—Section 1—C208; Section 2—C228.
220 Tu. Th. S. 8:30—C218.
330a Tu. Th. 9:30—C110.
331b M. W. F. 10:30—C208.

Nutrition and Dietetics:

220 Tu. Th. 9:30—M320—1st term.
M. 10:30—M323—2nd term.
441 M. W. 9:30—M323: 1st term.
M. 9:30—M323; Lab. 1:30—M321—2nd term.
443 Th. 10:30—M323—1st term.
W. 9:30—M323—2nd term.

Physical Education:

11 To be arranged.
110 2 hours per week—both terms—Stewart Hall Gymnasium.

Physics:

26a F. 11:30; Lab. Tu. 1:30, 3:30—C110.
112 Tu. Th. S. 10:30—C218; Lab. No. 1—Th. 1:30; No. 2—Th. 3:30; No. 3—Tu. 1:30; No. 4—Tu. 3:30—C214.
222 M. W. F. 8:30—C110—1st term.
Tu. Th. S. 11:30—C110— 2nd term.
Lab. No. 1—M. 1:30; No. 2—M. 3:30—C110.
333a M. F. 9:30—C208; Lab. No. 1—M. 1:30, 3:30; No. 2—W. 1:30, 3:30—C108.
340a M. F. 9:30—C208; Lab. W. 8:30—C108.
432b Tu. 9:30—C214.
436a F. 8:30; Lab. M. 1:30—C214.
438 M. W. 9:30—C110—1st term.
M. W. 9:30—C110—2nd term.

Plant Pathology:

330b W. 9:30; Lab. F. 1:30, 3:30—B110.
331a W. F. 11:30; Lab. Tu. 1:30, 3:30—B110.
333a Tu. Th. 8:30; Lab. Th. 1:30, 3:30—B110.
337b M. W. 8:30; Lab. Tu. F. 8:30—B110.
436 Tu. Th. 10:30; Lab. F. 1:30, 3:30—B110—1st term.
Tu. Th. 10:30—B110; Lab. W. 1:30, 3:30—B110—2nd term.

Psychology:

400c M. W. F. 11:30—M231—2nd term.

Sociology:

340c M. W. F. 8:30—M323—2nd term.

Textiles:

110b—W. F. 10:30—M231; Lab. W. 1:30 *or* 3:30—M333.
330 Tu. Th. 9:30; F. 10:30—M333—1st term.
Tu. Th. 9:30; Th. 10:30—M333—2nd term.
Lab. M. 1:30—M406—1st *or* 2nd term.

Woodlot Management:

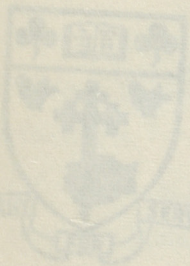
330a W. 9:30—B296; Lab. W. 1:30—Arboretum.

Zoology:

230a W. F. 10:30—B216; Lab. Tu. 1:30, 3:30—B224, B212, B204.
332b Lab. F. 1:30, 3:30—B96.
431 Th. 9:30—B204; Lab. Tu. 9:30—B204—1st term.
W. F. 11:30—B204; Lab. S. 8:30—B204—2nd term.

McGill University

Montreal



Institute of Education

School for Teachers

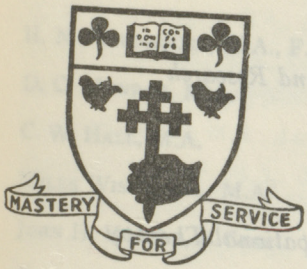
School of Physical Education

Division of Graduate Studies

1961-1962

McGill University

Montreal



Institute of Education

School for Teachers
School of Physical Education
Division of Graduate Studies

1961-1962

PUBLICATIONS

The following official publications are issued by the University and may be obtained from the Registrar's Office.

Announcements of Faculties and Schools:

General Announcement
School Certificate Examinations
Scholarships, Bursaries, and Loan Funds
Faculty of Arts and Science (Degrees in Liberal Arts and in Pure Science. There is a separate Announcement for the School of Commerce)
Faculty of Medicine
Faculty of Medicine Postgraduate Courses
Faculty of Dentistry
Faculty of Engineering (Degrees in Engineering and in Architecture)
Faculty of Law
Faculty of Music
Faculty of Divinity
Faculty of Graduate Studies and Research
School of Commerce
Institute of Education
Library School
School for Graduate Nurses
School of Physical and Occupational Therapy
School of Social Work
Macdonald College (Faculty of Agriculture and the School of Household Science.)
French Summer School
Extension Courses

The Directory of Staff (University administrative officers, standing committees, and officers of instruction. Limited distribution)

The Calendar (Available for distribution only to libraries and officials of certain institutions)

Institute of Education

The Institute of Education is under the administrative jurisdiction of the Faculty of Arts and Science

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THE INSTITUTE OF EDUCATION

Macdonald College, P.Q.

The Institute of Education, under the jurisdiction of the Faculty of Arts and Science, offers courses leading to the degrees of B.Ed., B.Ed.(P.E.), and M.A.(Education), and to diplomas issued by the Protestant Department of Education (Central Board of Examiners), Quebec. The School for Teachers at Macdonald College and the School of Physical Education are administered within the Institute, which also conducts programs of graduate studies and research. The work of the Institute is carried on at Macdonald College and on the Montreal campus of the University under the general supervision of the Teacher Training Committee, a statutory body established in 1907. This Committee consists of the Director of Protestant Education, four persons appointed by the Protestant Committee of the Council of Education, the Principal of McGill University, who is ex-officio chairman, and two other persons appointed by the Governors of McGill University. The present members are as follows:

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HISTORICAL INFORMATION

The McGill Normal School was founded in 1857 under an agreement between the Government of the Province of Quebec and McGill University. In 1907, following a further agreement subsequently confirmed by an Act of the Legislature (7 Edward VII, Chapter 26), the School was moved to Ste. Anne de Bellevue where, as the School for Teachers, it became part of Macdonald College. Since that time it has operated as a school of the University under the jurisdiction and control of the Protestant Committee of the Council of Education and of the University.

At the time the School was moved from Montreal, the Macdonald Chair of Education was endowed at McGill University and a department was established to prepare candidates for the High School (now Class I) Diploma. In 1930 the Department inaugurated a course leading to the M.A. (Education). The School for Teachers and the Department were combined in 1954.

The McGill School of Physical Education, which began as a summer school in 1912, introduced a full-year course in 1916. In 1933 the curriculum was reorganized and a three-year diploma course was offered. It was replaced in 1945 by the four-year B.Ed.(P.E.) degree course. A two-year course leading to a Class II diploma is also provided.

The Institute of Education was established in 1955 within the Faculty of Arts and Science. The work of the Institute is carried on partly at McGill University, partly at Macdonald College, and in summer sessions conducted in cooperation with the Department of Education, Quebec.

SUMMARY OF COURSES OFFERED

COURSES	ADMISSION REQUIREMENT	LENGTH OF COURSE
Faculty of Arts and Science		
B.Ed. (and Class I Diploma)	as for B.A. or B.Sc. (McGill)	4 years
B.Ed.(P.E.) (and Class I Diploma)	as for B.A. or B.Sc. (McGill)	4 years
Central Board of Examiners (Quebec)		
Class I Diploma	University degree with prerequisites	1 year
Class II Diploma	Senior High School Leaving	1 year
	or	
	Junior High School Leaving	2 years
Class II Diploma (P.E.)	Junior High School Leaving	2 years
Class III Diploma	Junior High School Leaving	1 year
Kindergarten Specialist (see page 4813)		
Faculty of Graduate Studies and Research		
M.A. (Education)	University degree of satisfactory standing and teaching diploma	2 summer sessions and 1 winter session
Diploma of Graduate Study in Education	as for M.A.	as for M.A.

COURSES OFFERED—ADMISSION REQUIREMENTS

Graduate Courses—M.A. (Education) and Diploma of Graduate Study in Education

These courses are intended for teachers who wish to undertake graduate studies. The program is planned in three stages, two of which are given in five-week summer sessions at Macdonald College. During the intervening winter session, weekly seminars are held in each of five areas of concentration. The student may register either full or part time. A thesis is required for the degree of M.A. See page 4830, "Division V: Graduate Studies and Research," for entrance requirements and other details.

Undergraduate Courses—B.Ed. and B.Ed (P.E)

These four-year courses combine the academic work required for a degree with professional training which prepares the student to teach at any level of the elementary or high school. The B.Ed. (P.E.) course, designed for students wishing to prepare for specialist teaching in physical education, offers a curriculum similar in academic content to that of the B.Ed. degree. Professional training is also similar, except that the methods and the practice teaching experiences are directed toward teaching in the gymnasium as well as in the classroom. The first two years of the degree courses are given at Macdonald College; the Third and Fourth years are given at McGill University. Graduates of the B.Ed. course receive the B.Ed. degree and the Class I Diploma; graduates of the B.Ed. (P.E.) course receive the B.Ed. degree, the Class I Diploma and the Diploma in Physical Education.

Admission Requirements: For admission to the First year of either course, a candidate must fulfil the requirements for admission to the First year of the B.A. or B.Sc. (McGill) course.

All Canadian and U.S. students who apply for admission at Junior or Senior Matriculation level in 1962 and subsequent years must take the tests offered by the College Entrance Examination Board. These consist of the Scholastic Aptitude Test (in two parts—Verbal and Mathematical) and three Achievement Tests selected by the student in consultation with his school principal. The English Composition test is compulsory; the other two tests may be chosen from any of the following: Intermediate Mathematics, *or* Advanced Mathematics; Physics; Chemistry; Biology; French; Latin; German; Spanish; and, for United States applicants only, Social Studies.

These tests must be written not later than in March of each year. The tests may be written on one testing date, but it is recommended that applicants write the Scholastic Aptitude Test in December or January, and the three Achievement tests in January or March. The cost to the

student for writing the full set of tests is $13.00. Students from the eastern parts of Canada and the United States may obtain information about tests, and test centres, etc. by writing to the College Entrance Examination Board, Box 592, Princeton, New Jersey; students from the west should write to College Entrance Examination Board, Box 27896, Los Angeles 27, California.

A. He must also obtain the necessary standing in each of the ten McGill Junior School Certificate papers listed below, or their recognized equivalents, obtaining an average of at least 65% on the examination as a whole:

No. of Papers	Subjects
2	English
1	General History
2	Latin *or* Greek
2	French, Latin, Greek, German, *or* Spanish (a language not already chosen)
2	Elementary Algebra and Elementary Geometry
1 (option)	One of the following: Biology, Botany, Chemistry, Drawing, Geography, British *or* Canadian History, Physics, Music, Intermediate Algebra, Trigonometry, *or* a foreign language not already chosen (the average
—	
10	of two foreign language papers is counted).

OR

B. He must obtain the necessary standing in each of the ten McGill Junior School Certificate papers listed below, or their recognized equivalents, obtaining an average of at least 70% on the examination as a whole:

No. of Papers	Subjects
2	English
1	General History
2	French *or* German (both papers)
1	Elementary Algebra
1	Elementary Geometry
1	One of the following: Biology, Botany, Chemistry, Physics

2 (options)	Either Latin *or* Spanish *or* French *or* German (if not already chosen) *or* any two of the following papers not already chosen: Intermediate Algebra, Trigonometry, Biology *or* Botany, Chemistry, Geography, Physics, British *or* Canadian History, Music *or* Drawing.
10	

OR

He may offer the Quebec Junior High School Leaving Certificate, or its equivalent, with one of the above patterns of courses, adding Agriculture, Household Science *or* North American Literature to the options listed in A. or B.

Candidates who have completed the First year requirement for the B.A. or B.Sc. (McGill) degree or the equivalent in the Quebec Senior High School Leaving Examination, *and* who have completed the requirements for the one-year Class II Certificate, may be considered for admission to the Bachelor of Education course with advanced standing upon completion of summer school requirements, including Education 206.

Candidates for entrance to the degree courses are required to meet the Admissions Committee of the School for Teachers before their applications are approved. These interviews will normally be arranged during the first week of the session.

Candidates whose mother tongue is not English are required to meet one or more members of the Central Board of Examiners for an interview before being definitely accepted. Candidates whose knowledge of English is inadequate may be required to attend a session at summer school as auditors prior to entering the School for Teachers.

DIPLOMA COURSES—CLASS I, CLASS II, CLASS III

Class I Diploma (one year). This program includes advanced courses in educational psychology, history and philosophy of education, oral and written English and methods throughout the session. Methods courses are so arranged that the student studies methods of teaching in the elementary school in a wide range of subjects in the first term, including the special subjects of Art, French, Music and Physical Education. In the second term he selects the grade level for which he desires special preparation—primary, elementary or junior high school. He also chooses an enrichment or background course in one of the special subjects. Practice teaching experiences are provided in a variety of grades.

Admission Requirements: An acceptable honours degree from an approved university or a general degree that includes the following courses:

(i) First year courses in English, and four of the following subjects: French, Geography, History, Mathematics, Latin, Chemistry, Physics, Biology, Botany, Zoology, another acceptable ancient or modern language.

(ii) Continuation courses in at least two of the First year subjects listed above.

The Class I Diploma is also obtainable in conjunction with the four-year course leading to the Bachelor of Education degree (see page 4809).

Class II Diploma (one year). This program includes two courses in English; Teaching Prerequisite courses (which offer training in skills and enrichment of background necessary for teaching purposes) in Art, French, Music and Scripture; courses in educational psychology, history of education, general teaching methods and special subject methods; and practice teaching experiences.

Admission Requirements: A Quebec Senior High School Leaving Certificate, or its equivalent, showing passes in English and four additional subjects, *and* a certificate showing that the candidate has passed in ten papers of the Grade XI examinations. Candidates for admission to this class should be at least eighteen years of age before January 1, 1962.

Class II Diploma (two years). Students wishing to prepare for the Class II Diploma in two years may do so through a curriculum which offers six academic subjects. Professional training includes courses in educational psychology, history of education, special child studies, methods courses and practice teaching experiences.

Admission Requirements. The admission requirements are the same as those for the Class III Diploma (see below).

Class II Diploma (P.E.) (two years). This program is similar to that of the regular Class II Diploma course described above, except that the student's courses and practice teaching experiences are directed toward teaching in the gymnasium as well as in the classroom.

Admission Requirements. The admission requirements are the same as those for the Class III Diploma (see below).

Class III Diploma (one year). Students taking this program have courses in English, Canadian History, educational psychology, history of education and teaching methods; Teaching Prerequisite courses in Arithmetic, Art, French, Music, Science (including Geography and Health) and Scripture; and experiences in practice teaching.

Admission Requirements. A Quebec Junior High School Leaving Certificate, or its equivalent, showing passes in ten papers with a total of at least 600 marks. The papers required are English (Literature and

Composition), French (Oral and Written), and six papers from the following list:

Chemistry, Physics, Biology, Geography, Elementary Algebra, Geometry, History, Music, Intermediate Algebra, Trigonometry, North American Literature, Home Economics, Latin Authors and Composition, Latin Poetry and Sight, Spanish, Bookkeeping, Stenography and Secretarial Practice, Typewriting and Office Procedure, Agriculture, Industrial Arts, Technical Drawing or Art.

Candidates for admission to this class should be at least seventeen years of age before January 1, 1962.

Kindergarten Specialists. Training for kindergarten work may be obtained in conjunction with the Class III Diploma, the one-year or two-year Class II Diploma, the one-year Class I Diploma, or the four-year course leading to the B.Ed. degree and Class I Diploma. Candidates must fulfil the regular admission requirements for these Diplomas.

Students specializing in kindergarten work follow substantially the same programs as students in the regular Diploma courses, except in methods and practice teaching. Special courses include the history and theory of the kindergarten. Special training is given in art, handicrafts, music, physical education. Students do practice teaching in the kindergarten at Macdonald High School, in other selected schools and in the Montreal Day Nursery.

Admission Requirements. In addition to fulfilling the regular admission requirements, candidates must satisfy the Director of the School for Teachers that they have special proficiency in vocal and instrumental music. The standard to be aimed at on the piano might be the equivalent of the Junior Grade Certificate of the McGill Conservatory of Music, though exceptions will be made for suitable candidates. The vocal requirement calls for voice of good quality suitable for modelling songs for junior classes and the ability to sing in tune while playing accompaniments.

To prevent disappointment, candidates desiring to enter the kindergarten should submit a statement of their qualifications in music to the Director of the School for Teachers for his approval by June 1, 1961.

Candidates for admission to kindergarten training should possess special qualities of sympathy and interest necessary for success in teaching young children.

APPLICATION PROCEDURE

All candidates for degrees or diplomas must make application to the Central Board of Examiners, Quebec, by June 30, 1961. The necessary

forms, including those requesting residence accommodation, may be obtained through the Institute of Education. When completed, all forms *except those concerning residence* should be sent to the following address:

The Secretary,
Central Board of Examiners,
Department of Education,
Parliament Buildings,
Quebec.

Residence applications should be sent directly to the Institute.

Candidates for the B.Ed. or B.Ed. (P.E.) degree should apply also to the Institute of Education.

FEES AND OTHER EXPENSES

The University reserves the right to make changes without notice in its published scale of tuition, board and room and other fees. Fees are not refundable except under special conditions.

1. TUITION FEES.

These fees include all the regular charges for registration, laboratories, libraries, Health Service, student activities.

M.A. (Education)	$425
Diploma of Graduate Study in Education	275
B.Ed. and B.Ed.(P.E.) 1st year	235
2nd year	235
B.Ed. 3rd and 4th years, each	425
B.Ed. (P.E.) 3rd and 4th years, each	450*

* Includes cost of Camp and Ski Schools.

Diploma Courses	235

2. SPECIAL FEES AND PENALTIES.

Student Teachers' Society (all students)	$ 1
Late registration (unless excused by the Director)	5
Late payment (after specified date)	2
Conferring of degree or presentation of diploma in absentia	10
Duplicate diploma	10
Transcript of record	1
Supplemental examination, per paper	2

3. STUDENT ACTIVITY FEE—Macdonald College

There are various student activities, such as the athletic associations, literary and debating societies, publications, class societies, etc., which the students are expected to support. The affairs of these organizations, which lie in the hands of the students themselves, are financed from a student activity fee *which is included in the tuition fee.*

4. BOARD AND RESIDENCE (per session, exclusive of Christmas vacation)

Macdonald College..... $590
McGill University residences: Douglas and Wilson Halls.....685-750
Royal Victoria College.....760-800

5. PHYSICAL EDUCATION COSTUME (3, 2S, FBD)

Regulation costumes must be worn in all physical education classes.

For women the costume consists of a green V-neck tunic, white blouse, briefs, short white socks and white running shoes. The tunic and briefs (priced at $5.00 and $1.00, respectively) may be purchased at the College on Registration Day, provided that the order form sent with the acceptance papers in August is completed and returned promptly. Students wishing to swim must provide themselves with bathing suits and caps.

For men the costume consists of green shorts, white T-shirt and running shoes. Shorts may be purchased at the College for about $2.25.

DIVISIONS OF THE INSTITUTE

Courses in the Institute are grouped in six divisions:

DIVISION 1: General Education
DIVISION 2: Foundations of Education
DIVISION 3: Methods of Instruction
DIVISION 4: Practice Teaching
DIVISION 5: Graduate Studies and Research
DIVISION 6: Physical Education

BACHELOR OF EDUCATION

Division 1	Division 2	Division 3	Division 4
FIRST YEAR			
English 100, 101	Ed. 105 Educational Psychology	Ed. 111 Special Methods: Physical Education	Ed. 120 Practice Teaching
Economics 100 *or* History 100	Ed. 200 History of Education	Ed. 112A Primary Methods (women)	
French 100		Ed. 112B Elementary Methods (men)	
Math. 110 *or* Latin 100			
Geography 111 *or* Biology 120			

SECOND YEAR

English 225 2 options from Geography 212 History 210 *or* 230 Latin 200 Maths. 220 *or* *One* of the above and *one* of the following: Chemistry 110 Fine Arts 100 Music 100 Physics 112 French 100 Biology 120	Ed. 206	Ed. 111 Special Methods: Art, Music, French Ed. 112B Elementary Methods (women) Ed. 512C Junior High School Methods (men)	Ed. 220 Practice Teaching

THIRD YEAR

2 continuation subjects 1 option	Psychology 21 *or* 33	Ed. 310 Educational Measurement	Ed. 320 Testing and Remedial Teaching

FOURTH YEAR

2 continuation subjects 1 option	Ed. 400 Philosophical Foundations of Education	Ed. 410 The Development of Curricula	Ed. 420 Internship Ed. 425 Internship in General and Specialized Teaching

NOTE: Students are advised to choose Sociology 210 or Anthropology 220 as an option in 3rd or 4th year.

BACHELOR OF EDUCATION (Physical Education)

Division 1	Division 2	Divisions 3 and 6	Division 4
First Year			
English 100, 101 Economics 100 *or* History 100	Ed. 105 Educational Psychology	Ed. 112B Elementary Methods	Ed. 125 Practice Teaching
Biology 120	Ed. 200 History of Education	Ed. 115 Physical Education in the Elementary School	
Maths 110 *or* Latin 100			
French 100 *or* Geography 111			
Second Year			
English 225	Ed. 207	Ed. 512c Junior High School Methods	Ed. 225 Junior High School Practice Teaching
Anatomy 100		Ed. 215 Physical Education in the Junior High School	
1 option from those for B.Ed.			
Third Year			
Physiology 210	Psychology 21	Ed. 315 Physical Education in the Senior High School	Ed. 325 Observation and Remedial Teaching in Physical Education
2 continuation subjects			
1 option			

FOURTH YEAR

1 continuation subject	Ed. 400 Philosophy of Education	Ed. 415 School and Community Programs	Ed. 425 Internship
2 options			

NOTE: Students are advised to choose Sociology 210 or Anthropology 220 as an option in 3rd or 4th year.

Class II Diploma (Two years) Division 1

FIRST YEAR

English 100, 101
History 100 or Geography 111
French 100

SECOND YEAR

English 225
2 options from B.Ed. list

(Divisions 2, 3 and 4 courses as for B.Ed.)

Class II (P.E.) Diploma (Two years) Division 1

FIRST YEAR

English 100, 101
Biology 120
History 100 *or* Geography 111

SECOND YEAR

English 225
Anatomy 100
1 option from B.Ed. (P.E.) list
(Divisions 2, 3 and 4 courses as for B.Ed. P.E.)

Class I Diploma (One Year)

Division 1

English 500B, 500C
Teaching
Prerequisites

Division 2

Ed. 500
Development of Educational Institutions

Ed. 501
Educational Psychology

Ed. 502
Philosophy of Education

Ed. 504
Contemporary Education

Division 3

Ed. 511
Special Subject Methods

Ed. 512
General Teaching Methods (Elementary)

Ed. 512C (Junior High School)

Division 4

Ed. 520
Advanced Practice Teaching

Class II Diploma (One Year)

Division 1

English 100B, 225
Teaching
Prerequisites

Division 2

Ed. 200
History of Education

Ed. 205
Educational Psychology

Division 3

Ed. 111
Special Subject Methods

Ed. 112A and 112B (women);
Ed. 112B and 512C (men)

Division 4

Ed. 120
Practice Teaching

Class III Diploma (One Year)

Division 1

English 100B
History I
Teaching
Prerequisites

Division 2

Ed. 1
Educational Psychology

Ed. 2
History of Education

Division 3

Ed. 111
Special Subject Methods

Ed. 112 A and 112B (women);
Ed. 112B and 512C (men)

Division 4

Ed. 120
Practice Teaching

DESCRIPTION OF COURSES:

(3) Class III Diploma (one year)
(2S) Class II Diploma (one year)
(1G) Class I Diploma (one year)
(F) All Freshmen (First year students)
(FB) Freshmen, B.Ed. degree; (FD) Freshman Class II Diploma (two years)
(FBP) Freshmen, B.Ed. (P.E.) degree; (FDP) Freshman Class II Diploma P.E. (two years)
(2) All Sophomores (Second year students)
(2B) Sophomores, B.Ed. degree; (2D) Sophomores Class II Diploma (two years)
(2BP) Sophomores, B.Ed. (P.E.) degree; (2DP) Sophomores Class II Diploma P.E. (two years)

DIVISION I: GENERAL EDUCATION

Professors

FRANK K. HANSON, *Chairman*
C. WAYNE HALL
ARTHUR M. HENRY
F. CYRIL JAMES
DAVID C. MUNROE
WILLIAM ROWLES
(*Agriculture*)

Associate Professors

S. C. M. HAWKINS
FRANK O. MORRISON
(*Agriculture*)

Assistant Professors

ERIC O. CALLEN
(*Agriculture*)
ALFRED L. CARTER
(*Agriculture*)
RUTH DUNCAN
A. ELIZABETH JAQUES
H. MORRISON
R. VOGEL
BENNO P. WARKENTIN
(*Agriculture*)

Lecturers

F. A. C. DOXSEE
G. O. HENNEBERRY
(*Agriculture*)
KELSEY JONES
(*Faculty of Music*)
J. W. KERR
G. MCELROY
G. MICHIE
DOROTHY NICHOL
A. SCHACHTER

ANATOMY 100: Functional Anatomy and Human Biology.

3 lects. a week. (2BDP)

Dr. F. C. Inglis

GENERAL BIOLOGY

120. The structure and functions of living organisms; how they live and perpetuate themselves in relation to their environment. Protoplasm, cells, tissues, organs, systems; metabolism, nutrition, perception, growth, reproduction, inheritance; ecology and evolution of plants and animals. Emphasis is placed on the higher animals and flowering plants, but surveys of both plant and animal kingdoms are included.

3 lects., 2 labs. a week. (FB, FBDP, 2BD, 2BP)

Professor F. O. Morrison
Professor Callen

CHEMISTRY

110. Inorganic Chemistry

3 lects., 2 labs. a week. (2)

Mr. Henneberry

ENGLISH COMPOSITION

100B. Advanced work in grammar, usage and composition as a background to classroom teaching. (3, 2S)

1 hour a week.

The Staff

101. Oral English. (F)

1 hour a week, one term.

The Staff

500B. An advanced course in oral English. (1G)

1 hour a week, first term.

The Staff

500C. A practical course in written expression designed to assist the student in classroom work. (1G)

1 hour a week.

The Staff

ENGLISH LITERATURE

100. A study of forms in literature from Anglo-Saxon times to about 1880. (F)

4 hours a week.

The Staff

MODERN LITERATURE

225. Readings and discussions of work of British, Canadian and American writers from 1880 to the present. (2, 2S)

2 hours a week.

Professor Hall

FINE ARTS

100. The aim of this course is the development of an awareness of art forms through the stimulation of a sense of design, a sense of the graphic and plastic. The course will include sketching and painting, as well as

experience with other media, art criticism, and the study of design as exemplified in interior decoration, pottery and furniture and textiles.

Three hours a week. (2) *Professor Jaques and Mr. Lorcini*

FRENCH

100. French is used exclusively by lecturers and students in this course.

(a) *Travail oral:* The aim of this section of the course is to increase fluency, accuracy, and precision in speaking French. Assignments vary according to the interests and capabilities of the students.

(b) *Cours de civilisation:* A survey course of French history; biographical and literary aspects are stressed.

3 hours a week. (FBD, FBP, 2) *Professor Hawkins and Mr. McElroy*

GEOGRAPHY

111. INTRODUCTION TO HUMAN GEOGRAYHY. The basic principles of geography illustrated from appropriate parts of the world. The major geographical regions of the earth, the resources, human societies and industries characteristic of each. Geographical aspects of international relations. *No prerequisite.* (F)

3 hours a week. *Mr. Michie (Faculty of Arts and Science)*

212. WORLD ECONOMIC GEOGRAPHY. The relations of people, space, resources, culture and technology. Appraisal of agricultural and industrial resources. The major economic activities and agricultural and industrial regions of the world. Types and patterns of transportation and world trade. *No prerequisite.* (2)

3 hours. *Mr. Michie (Faculty of Arts and Science)*

HISTORY

1. *Text:* Lower, Arthur R. M., *Colony to Nation*, Toronto, Longmans, Green and Company (third edition) 1957. A history of Canada from the arrival of the Europeans to the present day. The aim of the course is to provide future teachers with a more thorough understanding of the origins and development of contemporary Canadian social and political institutions. Considerable attention is given to library reading and the writing of papers. (3)

3 hours a week. *Professor H. D. Morrison*

100. EUROPEAN CIVILIZATION IN THE MEDIAEVAL AND MODERN PERIODS. The mediaeval period is studied in terms of its typical institutions: the Empire, the Papacy, feudalism, the gild, the dynastic state, etc. In the modern period main emphasis is laid on the emergency of the Great Powers and the long-term problems at home and abroad, which conditioned their policies. (F)

3 hours a week. *Mr. Vogel (Faculty of Arts and Science)*

210. HISTORY OF GREAT BRITAIN. A survey of the development of British civilization since the Roman invasions. While constitutional and political changes are considered, the emphasis is placed (particularly in the modern period) on the economic, social and intellectual background. (This course will enable students to prepare themselves for Third year courses in English history.) (2)

3 hours a week. *Mr. Vogel* (*Faculty of Arts and Science*)

230. EUROPEAN CIVILIZATION IN THE MEDIAEVAL AND MODERN PERIODS. A survey of European civilization with particular emphasis on the relation between intellectual ideas and political institutions. Four special areas will be studied in greater detail: the pontificate of Innocent III, the political ideas of the French Revolution, the economic problems of the Industrial Revolution and the origins of the First World War. (This course will enable students to prepare themselves for Third year courses in European history.) (2)

3 hours a week. *Mr. Vogel* (*Faculty of Arts and Science*)

ECONOMICS

100. **Economic History.** A survey of the evolution of economic institutions from the ancient empires in Sumaria and Egypt to the outbreak of war in 1939. The course reviews the continuity of economic activities from the early empires through Greece and Rome; the manorial organization of the early Middle Ages; the revival of towns, commerce and financial institutions; the widening of geographical and intellectual horizons; the industrial revolution and colonization; the economy of the 19th century; the first world war and the breakdown of the war economy after 1931. (FB, FBP)

3 hours a week. *Professor James*

LATIN

100. *Texts:* Petrie, Latin Reader; Bonnie and Niddrie, Latin Prose Composition (FB, FBP)

3 hours a week. *Mr. Schachter* (*Faculty of Arts and Science*)

200. *Texts:* To be announced. (2)

3 hours a week. *Mr. Schachter*

MATHEMATICS

110. Plane Trigonometry, Algebra, Analytical Geometry. (FB, FBP)

An integrated course at the First year college level, including radian measure, logarithms, relation between the trigonometric functions, addition formulae, sums and products, solution of triangles, inverse

functions, solution of trigonometrical equations, variation, progressions, permutations and combinations, mathematical induction, binomial theorem, theory of quadratic equations, equations of straight line and circle.

3 hours a week. *Professors Carter, Crook, Henry, Rowles and Warkentin*

220. Calculus. Analytical geometry, differential and integral calculus. (2)
3 hours a week. *Professor Rowles*

MUSIC

100. *Prerequisite:* Rudiments of Music (Junior Grade, McGill or equivalent standing, or entrance examination).

(*a*) *History.* A survey of the development of musical styles, composers, and works for the period 1600-1900.

(*b*) *Form and Analysis.* Elementary principles of form. 17th and 18th century forms. Analysis of short piano works.

(*c*) *Harmony.* Transposition; key and time; harmonic analysis; melody harmonization (root and first inversion triads; dominant 7th in root form; cadential six-fours); dominant 7ths in all positions.

(*d*) *Aural training.* Intervals and chords; dictation in simple time; simple modulation; melodic analysis; sight reading. (2)
3 hours a week. *Dr. Jones (Faculty of Music)*

PHYSICS

112. General Physics. An introductory course covering mechanics, heat, light, sound, electricity and magnetism at the First year college level. Fundamental principles are taught through demonstrations, laboratory work and numerical examples.
3 lects., 1 lab. a week. (2) *Professor Rowles*

TEACHING PREREQUISITES

Terminal courses which offer training in skills and enrichment of background necessary for teaching purposes. One hour weekly for each course.

1G: choice of one from Art, French, Music, Physical Education (second term only). (See also Education 511, page 4828.)

Arithmetic 1 (3) *Professor Crook*
Art 1 (3, 2S) *Professor Jaques*
French 1 (3, 2S) *Professor Hawkins and Mr. McElroy*
Music 1 (3, 2S) *Professor Hanson*
Science 1 (Geography, Health, Science) (3) *The Staff*
Scripture 1 (3, 2S) *Mr. Doxsee and Mr. Kerr*

DIVISION II: FOUNDATIONS OF EDUCATION

Associate Professor	J. E. M. YOUNG, *Chairman*
Professors	D. C. MUNROE
	J. S. THOMSON
Associate Professor	A. B. CURRIE
Assistant Professors	FRANCES E. CROOK
	MARGUERITE HORTON
	PAUL NASH
	MILES WISENTHAL
Lecturer	R. L. R. OVERING
Sessional Lecturer	DAVID C. SMITH

EDUCATION 1—Educational Psychology

An introductory course in educational psychology with emphasis on the following topics: child growth and development, individual differences, learning, educational measurement, mental hygiene. (3)

2 hours a week.

Mr. Smith

EDUCATION 2—History of Education

A brief survey of the development of education in Europe and America. (3)

1 hour a week.

Professor Nash

EDUCATION 105—Educational Psychology

A study of the general characteristics of physical, social, and emotional development in children. Elementary educational and child psychology.

Growth and development of children through adolescence. Psychology of learning. Individual differences. Testing and measurement. Mental hygiene and educational guidance. (F)

3 hours a week.

Professor Young

EDUCATION 200—The History of Education in Western Society

The history of education in Europe and America including a comparative study of the systems of public education in the countries of western Europe, in the United States, and in Canada. (F, 2S)

3 hours a week. *Professors Munroe, Currie, Nash and Wisenthal*

EDUCATION 205—Educational Psychology

A course which emphasizes classroom applications of important psychological fields of study: child development, learning, motivation, individual differences, measurement, mental hygiene, elementary statistics. (2S)

3 hours a week.

Professor Edwards and Mr. Smith

EDUCATION 206

A study of the special problems of organization, instruction, motivation, discipline, and extra-curricular activities at representative grade levels in the elementary school, based on observation and the development of anecdotal records and case histories.

3 hours a week (1 lecture, 1 two-hour laboratory period). (2BD)

Professor Young

EDUCATION 207. (2P)

Similar to Education 206, based on observation of gymnasium classes.

Mr. Widdop

EDUCATION 300—Comparative Education

The evolution of educational theory and practice in Europe. The development of modern educational institutions in European states and their adaptation in colonial societies. Educational practice in Canada and the United States, the development of education in the new states of Asia and Africa. (Open to students in their 3rd and 4th years, other than B.Ed. and B.Ed.(P.E.) students.)

3 hours a week. (*Given at McGill University*)

Professors Munroe and Nash

EDUCATION 400—Philosophical Foundations of Education

An examination of significant philosophical ideas which have influenced Western education. (4th year B.Ed. students)

3 hours a week. (*Given at McGill University*) *Professor Thomson*

EDUCATION 500—The Development of Educational Institutions

A study of educational development and institutions in various countries, with special emphasis on the evolution of modern practices. (1G)

2 hours a week. *Professor Munroe*

EDUCATION 501—Educational Psychology

A study of the general characteristics of physical, social, emotional and intellectual development, the psychology of learning and the growth and development of personality, with special emphasis on the problems of adolescence. (1G)

2 hours a week. *Professors Young and Edwards*

EDUCATION 502—**Philosophy of Education**

An examination of significant philosophical ideas which have influenced Western education. (1G)

2 hours a week.

Professor Nash

EDUCATION 504

Studies in Contemporary Education. (1G)

2 hours a week.

The Staff

DIVISION III: METHODS OF INSTRUCTION

Professors

C. WAYNE HALL (*Chairman*)
FRANK K. HANSON
ARTHUR M. HENRY

Associate Professors

ALEXANDER B. CURRIE
S. CHRISTOPHER M. HAWKINS

Assistant Professors

PHYLLIS BOWERS
FRANCES CROOK
RUTH DUNCAN
MARGUERITE HORTON
ELIZABETH JAQUES
HARRY D. MORRISON
MURIEL TOMKINS

Lecturers

L. J. B. CLARK
MYER HOROWITZ
DAISY MACNEILL
SHIRLEY MCNICOL
DOROTHY NICHOL
R. L. R. OVERING
EIGIL D. PEDERSEN
FRANGA STINSON

EDUCATION 11

The origin and development of Kindergarten and Nursery School Programs.

5 hours a week. (Kindergarten)

Professor Bowers

EDUCATION 111—**Special Subject Methods**

(a) French (3, 2S) 1 hour a week.

Professor Hawkins and Mr. McElroy

(2BD) 1 hour a week second term.

(b) Health and Physical Education (3, 2S, FBD) 1 hour a week.

Professor Duncan and Miss Nichol

(c) Music (3, 2S, 2BD) 1 hour a week. *Professor Hanson*

(d) Art (3, 2S, 2BD) 1 hour a week. *Professor Jaques*

EDUCATION 112—**Basic Methods of Instruction**

Curriculum development, lesson planning and general methods of instruction in basic subjects; observation in demonstration classrooms at Macdonald Elementary and High Schools. *The Staff*

EDUCATION 112A (Primary)

3, 2S women, 5 hours a week, one term.
FBD women, 3 hours a week.

EDUCATION 112B (Elementary)

3, 2S women, 5 hours a week, one term.
3 (men) and 2S (men), 5 hours a week, first term.
2BD women, 3 hours a week.
FBD men, FP, 3 hours a week.

EDUCATION 310-320—**Educational Measurement**

The preparation and use of objective tests by the classroom teacher. Interpretation of test results and of research studies in the improvement of instruction.

4 hours a week (including practice teaching in schools). 3rd year B.Ed. students) *Professor Crook*

EDUCATION 410—**The Development of Curricula**

A study of the development of elementary and secondary school curricula in the provinces of Canada and in other countries, with emphasis on special teaching methods and programs.

3 hours a week. (4th year B.Ed. students) *Professor Currie*

EDUCATION 411—**General Instructional Practice** (For students in Music, and in the Teaching Option, B.Sc.(H.Ec.) course)

EDUCATION 511—**Special Subject Methods**

1 hour a week each, first term only. (1G)

(a) French *Professor Hawkins*
(b) Health and Physical Education *Miss Nichol*
(c) Music *Professor Hanson*
(d) Art *Professor Jaques*

EDUCATION 512—**General Teaching Methods (Elementary)**

Curriculum organization, lesson planning, teaching methods and media, classroom observation. (1G) *The Staff*

5 hours a week.

EDUCATION 512C. (Junior High School)

Methods in various subject areas. (1G) Open also to other men students and all 2P students.

2 hours a week.

The Staff

DIVISION IV: THE PRACTICE OF TEACHING

Professor ARTHUR M. HENRY, *Chairman*

All members of the staff assist in the supervision of practice teaching.

EDUCATION 120—Observation and Classroom Practice Teaching

One Year Diploma Students. (3, 2S)

(a) Observation and practice in schools, 2 weeks (Nov.-Dec.).

(b) Observation and practice in schools, 2 weeks (April).

First Year Students. (FBD)

(a) Observation of teaching, 1 week (January).

(b) Observation and practice in schools, 2 weeks (May).

EDUCATION 220—Practice in School and Community Programs (2BD)

(a) School opening procedures and practice, 2 weeks (September).

(b) Observation and practice in school review procedures, 2 weeks (May).

EDUCATION 320—Testing and Remedial Teaching (3rd year B.Ed. students)

Individual and group testing and remedial teaching with Demonstration Staff: 2 weeks (Sept.) and half-day per week during session.

EDUCATION 420—School Internship (4th year B.Ed. students)

Half-day a week in selected schools (first term).

EDUCATION 425—Internship in General and Specialized Teaching

(4th year B.Ed. students)

2 weeks (May).

EDUCATION 520—Class I (1G) Practice Teaching

(a) Observation of teaching, 3 days (October).

(b) Observation and practice in schools, 2 weeks (Nov.-Dec.) and 2 weeks (January).

(c) Advanced practice teaching, 2 weeks (April).

Note: For practice teaching for Physical Education students, see Division VI, page 4832.

DIVISION V: GRADUATE STUDIES AND RESEARCH

Professors	REGINALD EDWARDS, *Chairman*
	C. WAYNE HALL
	F. K. HANSON
	D. C. MUNROE
Associate Professor	A. B. CURRIE
Assistant Professors	FRANCES E. CROOK
	PAUL NASH
	MILES WISENTHAL

The course leading to the degree of Master of Arts is intended to encourage teachers who have completed the basic academic and professional training to proceed with further graduate studies. Many will wish to develop and perfect the teaching procedures in certain subject areas so that they may improve their technical skill; others will wish to deepen their knowledge of the historical and philosophical foundations of education; some will be interested in specialized studies in psychology and sociology; administrative and supervisory officers will benefit from research in school organization and procedure. In addition to those who enter the course from professional interest, there may be some who wish to study the relationship of education to other disciplines and aspects of public administration. For students in all these categories the course provides unusual opportunities for advanced study.

The course is planned so as to give the student a broad survey of educational thought, experience in specialized and statistical studies, familiarity with recent research and present practice and an understanding of educational administration in Canada.

ENTRANCE REQUIREMENTS

First Class Diploma, or the equivalent B.Ed. degree, with at least second class standing.

Candidates entering with degrees other than the B.Ed. (McGill) must present a degree from an approved university with second class standing in at least one continuation subject. To meet the requirement for entrance they may take the following courses in a qualifying summer or winter session:

EDUCATION 600—Educational Measurement (Education 310 or 501)

EDUCATION 601—Studies in Educational Thought (Education 400 or 500)

Candidates from other universities may also be permitted to qualify by writing a comprehensive examination in Educational Theory and Practice.

PROGRAM OF THE COURSE

The course begins with a Summer Session in July which is followed by a Winter Session of part or full-time study and a second Summer Session. It may be completed in a minimum of fifteen months.

First Summer Session

EDUCATION 610—Modern Educational Practice

EDUCATION 611—Methods of Educational Study and Research

Winter Session

EDUCATION 620—Studies in Comparative Education

EDUCATION 621—Thesis Preparation

Second Summer Session

Either

EDUCATION 630a—Modern Studies in Educational Psychology

or

EDUCATION 630b—Recent Developments in Educational Guidance

EDUCATION 631—The Administration of Education in Canada

During the Winter Session the student will choose one of the following areas of concentration:

1. Methods of Teaching a Special Subject
2. History and Philosophy of Education
3. Educational Psychology and Sociology
4. Educational Administration
5. Educational Guidance

Seminars will be held in each of these subjects and each candidate will begin his research project and the preparation of the thesis under the director of research in his special area of study. He will meet his director of research regularly until the research is completed. Seminars will also be held in Comparative Education.

REGISTRATION AND FEES

For the Summer Sessions candidates register and pay their fees at Macdonald College; for the Winter Session they register at the Registrar's Office and pay their fees at the Accounting Office, McGill University. Tuition fees for the three sessions are as follows:

First Summer Session	$150
Winter Session	125
Second Summer Session	150
Qualifying Course—per subject	45

In addition sessional registration forms must be submitted to the Dean of the Graduate Faculty, through the Director of the Institute of Education, not later than July 2nd for the Summer Session and not later than September 21st for the Winter Session.

GENERAL INFORMATION

The Summer Sessions will be conducted at Macdonald College where residential accommodation is available for both men and women students. The Summer Session in 1961 will open on Monday, July 3rd, and continue for five weeks with lectures on six days each week.

DIPLOMA OF GRADUATE STUDY IN EDUCATION

This diploma is offered for those who wish to qualify for administrative or supervisory positions in the educational system, but do not wish to submit the thesis required for the Master of Arts degree.

The entrance requirements and admission procedures are the same as those for the M.A. degree (above), save that candidates must have had approved teaching experience.

The programme of the course is similar to that for the M.A. degree above. In the Winter Session, however, the course Education 621, Thesis Preparation, will be replaced by Education 622, Case Studies in Administration.

The course may be completed in a minimum of fifteen months.

DIVISION VI: PHYSICAL EDUCATION

Associate Professor	WINONA WOOD, *Chairman*
Assistant Professors	ROBERT E. WILKINSON
	RUTH M. DUNCAN
Lecturers	DOROTHY A. NICHOL
	MARGARET WALKER
	J. H. WIDDOP

EDUCATION 115—Physical Education in the Elementary School

This course deals with the methods and skills necessary for teaching physical education in the elementary school, including suitable gymnasium and outdoor activities based on fundamental principles of movement.

Mr. Widdop

5 hours.

EDUCATION 125—Observation, Classroom and Gymnasium Practice

Similar to 120 (see Division IV) except that duties will be partly in classroom and partly in gymnasium.

EDUCATION 215—Physical Education in the Junior High School

This course deals with methods and skills necessary for teaching physical education in junior high school, including rhythms, aquatics, individual and team games and gymnastics.

6 hours.

Professor Wilkinson and Staff

EDUCATION 225—Junior High School Practice Teaching

EDUCATION 315—Physical Education in the Senior High School

Methods and skills necessary for teaching physical education in the secondary school, including team and individual games, gymnastics, dance, and testing and measurement.

10 hours.

Professors Wood and Wilkinson

EDUCATION 325—Observation and Remedial Teaching in Physical Education

The Staff

EDUCATION 415—School and Community Programs in Physical Education

The organization of school and community recreation and physical education programs, including intra-mural and inter-scholastic athletics, aquatics, camping, school and community health.

10 hours.

Professors Wood, Wilkinson and assistants

EDUCATION 425—Internship in general and specialized teaching.

SPECIAL REQUIREMENTS OF DIVISION VI

All students—*Red Cross Swimming Instructors' Course*

This course is required of all students before completion of Second year.

All Women students—*Basketball Referee Course.*

This course is required of all women students before completion of Second year.

Degree Students only:

**Camping Course*—September 1 to 7 inclusive, at beginning of Third year, in the Laurentian Mountains.

**Ski School*—A week of instruction, in January of the Third year, in the Laurentian Mountains.

*The costs of the Camping Course and Ski School are included in the tuition fee.

Outdoor School—A three-week period in May, at the end of the Third year, including intensive instruction in outdoor activities.

Field Work—After completion of the Second year, students in the B.Ed. (P.E.) course are required to devote a minimum of four weeks to field work during the summer. This field work must be approved by the Chairman of Division VI.

COSTUME AND EQUIPMENT

Regulation costumes must be worn in all physical education classes.

For men these will include sweat suit, shorts, T shirts, teaching greys. The cost will be approximately $40.00 payable at the beginning of the First year.

For women these will include shorts, tunic and cotton blouses. The cost will be approximately $25.00 payable at the beginning of the First year.

All students are required to wear white gym footwear. Students are also responsible for providing their own sports equipment including ski equipment, skates, hockey sticks, tennis racquets, etc.

ADVISORY PROGRAM

The aim of the advisory program is to encourage a closer relationship between students and staff members than can be achieved through classroom contacts. At the beginning of the session each student is assigned to an advisor to whom he can turn for help with his particular problems. It is also the advisor's duty to interview each of his students following practice teaching periods, informing him of the results and counselling him concerning any difficulties he may have had. Meetings of the entire group are held weekly to consider academic, professional and personal problems of general interest.

DRESS REGULATIONS

As a professional school, the Institute of Education expects its students to appear in classroom, demonstration school and library neatly and appropriately dressed. Students not meeting this requirement may be excluded from classes.

The following suggestions are made for student guidance:

Women: A neatly tailored skirt and blouse with a College blazer or a plain cardigan. Skirts in the Macdonald tartan are available.

Men: A blazer, or jacket, tie and slacks; or a business suit with tie.

MACDONALD COLLEGE

GENERAL INFORMATION

Macdonald College, Ste. Anne de Bellevue, Que., is located twenty miles west of Montreal, near the main lines of the Canadian National Railway and the Canadian Pacific Railway and provincial highways No. 2 and No. 17. The Anglican Church of Canada, the United Church of Canada and the Roman Catholic Church in Canada are represented in the town. Branches of the Bank of Montreal and the National Canadian Bank (Banque Canadienne Nationale) serve the community.

The College has its own post office to which mail should be addressed simply "Macdonald College, Que." The address for freight and express parcels, and for telegrams, is "Macdonald College, Ste. Anne de Bellevue, Que."

Key telephone numbers are as follows: Switchboard (connecting all departments), GLendale 3-5335. Brittain Hall, GLendale 3-9082, 9086; Stewart Hall, GLendale 3-9008, 9040, 9095; Laird Hall, GLendale 3-9003, 9020; Harrison House, GLendale 3-4407.

FACILITIES

Sir William Macdonald planned so well for future needs that the facilities of Macdonald College for instruction in Agriculture, Home Economics and Teaching are still provided almost entirely in the buildings constructed in 1905. The picturesque brick buildings and red-tile roofs of the Chemistry, Biology, Agriculture and Main Buildings, together with Stewart and Laird Halls (residences for women) and Brittain Hall (residence for men), and the well-laid-out grounds on the shore of Lake St. Louis, comprise a campus which is attractive and functional.

Laboratory and lecture rooms are exceptionally well supplied with modern and efficient teaching facilities, while the reference section of the Library and the research laboratories associated with the various science departments are equipped to permit the vigorous investigation of problems arising in postgraduate studies.

The land associated with the College consists of approximately 1,600 acres. The campus proper, which lies south of the Metropolitan Boulevard, consists of about 200 acres.

The Morgan Arboretum, established in 1947, has 700 acres of woodland devoted to the study of woodlot management and the place of the woodlot in the Eastern Canadian farm economy. About 100 acres have been planted in reforestation projects. In addition, the Arboretum, in spite

of its short history, has Canada's best collection of examples of all Canadian and many foreign species of trees and shrubs of interest from the point of view of pulpwood, timber and landscaping.

THE MACDONALD COLLEGE LIBRARY

The library and reading room are centrally located in the Main Building, occupying the ground floor of an annex leading off the main hall.

The present stack-room has accommodation for about 25,000 volumes, and the choice of books has been directed towards bringing together the best of modern literature on subjects of the curriculum of the College.

The Walter M. Stewart Collection, purchased through the generosity of Mr. Walter M. Stewart, includes biography, history, travel, science, etc.

EXTRA-CURRICULAR ACTIVITIES

The program of extra-curricular activities is designed to complement the program of studies and to promote both fellowship and wider experiences for the student-teacher. Among the activities sponsored by the Macdonald College Students Council is a wide program of athletics for men and women, supervised by qualified instructors and offering facilities for track and field sports, football, hockey, basketball, volleyball, tennis, badminton, archery, aquatic sports, year-round ice skating on Glenfinnan Rink. The Council also sponsors a weekly newspaper and an annual display, the "Macdonald Royal," which is climaxed by the perennially popular student musical revue, "The Green and Gold." The Literary and Debating Society conducts dramatic and debating programs. Dances and informal get-togethers are features of student life, with the campus coffee shop a well-known meeting place.

In addition, Macdonald College offers three or four community concerts each year, with distinguished artists; students may attend at special subscription rates. On Founder's Day, which is celebrated each year on February 10, a special dinner and a musical program are provided through the generosity of Mr. and Mrs. Walter M. Stewart. The War Memorial Assembly is another annual event, held to commemorate the sacrifices of Macdonald men and women in two world wars. Past speakers have included Lord Alexander, The Right Honourable Vincent Massey, The Right Honourable Louis St. Laurent, Mr. Ralph Bunche and Mrs. Eleanor Roosevelt.

RESIDENCE

Men students in residence live in Brittain Hall, named in honour of Dr. W. H. Brittain, Vice-Principal of Macdonald College from 1935 to 1955. One residence for women is named Stewart Hall in honour of

Mr. and Mrs. Walter M. Stewart, long-time friends and benefactors of the College. The other is called Laird Hall in honour of the late Sinclair Laird, Dean of the School for Teachers from 1913 to 1949.

Any student wishing to live in one of the College residences must apply for residence accommodation before June 30, 1961. Forms of application for residence accommodation are sent with the regular forms of application for admission to the course.

Macdonald College does not have residence accommodation for all the students who enroll. Acceptance of the application for admission to a course of study does not imply that residence accommodation will be available. In the event that there is a shortage of residence accommodation, rooms will be assigned first to students whose homes are off the island of Montreal. Preference will be given also to women students enrolled in degree courses rather than diploma courses.

A deposit of $25.00 must accompany the application for accommodation. If the application is accepted the deposit will be deducted from the payment due on entrance. The College guarantees to refund the deposit if the application is refused, or if it is cancelled by the applicant at least three weeks prior to the date of registration for the course concerned.

All students who have been in residence during the session must apply for re-admission for the following year and make a deposit of $25.00, before leaving at the end of the session, should they wish to have space reserved for them. This deposit will be refunded if the application is not accepted, or if it is cancelled by the applicant three weeks prior to the date of registration for the course in which he is enrolled. If the application is accepted, the deposit will be deducted from the payment due on entrance.

Students who wish to live in rooms in private homes in Ste. Anne de Bellevue must apply for permission to the Director of the Institute. A list of rooms is available in the Registrar's Office. Students rooming out may have all their meals in the College dining room and may participate fully in all regular College activities.

Students desiring to commute daily between their homes and the College must also apply for permission to the Director.

Due to the necessity of accommodating conventions and short courses during the summer months, resulting in a limited time available for repairs and cleaning, no student will be admitted to residence before the date set for registration in the course for which he has been accepted; nor may a student remain in residence after the session ends, nor during

the Christmas holidays. Exceptions to this rule will be made in the case of certain student officers whose duties require their presence before the opening date, members of the football team who have been accepted for pre-season training, students preparing for supplemental examinations, and other students under exceptional circumstances by permission of the Warden.

Students who have reserved accommodation and who are returning early to write or prepare for supplemental examinations may enter residence, by special permission, not earlier than one week before the date of their first examination. Application for early accommodation must be sent with the application for supplemental examination before September 1st. The charge for room and board for this period will be $16.00 for a week or any part of a week.

Students may not invite relatives or friends to stay overnight in the residence without permission from the Warden of Residence.

For the admission of visitors to the Dining Room students must purchase tickets at the Dietitian's Office, Stewart Hall, at the Administration Office in the Main Building, or from the doorman on duty.

Students are held responsible for the care of their rooms and of their furnishings.

Students are recommended to mark clearly, before coming to the College, all articles of wearing apparel, sheets, pillow cases, etc.

Detailed regulations are printed separateiy and issued to students after arrival.

ROOM FURNISHINGS

Bedrooms are furnished with closets, beds, mattresses, blankets, pillows, and the necessary furniture.

Each student is expected to provide his or her own laundry bag, toilet soap, drinking glass; four sheets, about 90 inches long, 60 inches wide; two pillow covers, 34 inches long, 20 inches wide; hand towels and bath towels; flashlight.

Each room is provided with picture moulding. Students are permitted to bring rugs, pictures, etc., but are not allowed to drive tacks or nails into walls or woodwork or to paste pictures on the walls.

Women students are required to provide sash curtains and curtain rods for the windows in their rooms.

CONDUCT AND ATTENDANCE

The general responsibility for the maintenance of discipline in each residence is vested in a Warden; but, through a system of self-government, students are encouraged to accept the greatest possible amount of responsibility for their own affairs. Enforcement of necessary regulations, exaction of disciplinary measures, and regulation of conduct *in and out of residence* is largely in the hands of a House Committee for each residence, elected by the students from among their own number.

Matters of discipline connected with or arising from the general arrangement for teaching within a Faculty or School come under the jurisdiction of the Dean of the Faculty or the Director of the School concerned.

Students may be admonished by a professor or instructor for improper conduct and may be reported to the Dean or Director concerned. If he considers it advisable, such conduct shall be reported to parents or guardians.

Students found guilty of immoral, dishonest, or other improper conduct, the violation of rules, or of wilfully causing damage to persons or property, shall be liable to College discipline, which includes the powers of expulsion (subject to the approval of the Senate of McGill University); of suspension from classes or residence (also, in the case of women students, limitation of leaves); of exclusion from all College functions, including class or society meetings, plays, dances, etc.; of disqualification from competing for honours or prizes; and of levying fines. Fines may also be imposed or assessments made for damages caused by individuals or groups of students.

Consumption of liquor on the campus is forbidden.

Gambling is not permitted on College property.

Students are not permitted to bring firearms into their rooms or to use them on the College grounds.

Students are warned against going on the river in winter or summer and against hitchhiking, which contravenes the Provincial Motor Vehicles Code. The College will not be held responsible for students who ignore these warnings.

Unauthorized entrance to Stewart Hall or Laird Hall by men students, or to Brittain Hall by women students, will result in immediate suspension of the guilty persons, followed by expulsion proceedings.

Students are requested not to make application for additional leave either before or after holiday periods, unless in case of illness or other exceptional circumstances.

For late registration or for absence from classes on the last day before or the first day following a holiday period, there is a penalty of $3.00 for each day or part of a day.

During illness students are under the direction of the Medical Officer and may not leave the residence or infirmary without his permission.

Punctual attendance at all classes, laboratory periods, tests, etc., is expected of all students. Absences can be excused only on the grounds of necessity or illness, of which proof may be required. Special attention is called to the fact that the completion of all laboratory work is obligatory and that the opportunity to make up work missed can be provided only in the case of properly excused absences.

The College has the power to refuse examinations to those students who persist in absenting themselves from classes without permission.

Any student who is unwilling to submit cheerfully to the restrictions of college life, whose conduct does not furnish satisfactory evidence of diligence and earnestness of purpose, or whose work is definitely unsatisfactory, may be placed on probation, or may be required to withdraw from the college.

Degrees of probation are as follows:

Probation 1 The student is permitted to remain on trial, subject to satisfactory work and conduct.

Probation 2 The student is not allowed to participate in competitive events, or to take part in plays or other activities involving undue loss of time.

LEAVE OF ABSENCE

WOMEN STUDENTS

In order to avail themselves of leave privileges, women students in residence must present, at the beginning of the session, a form signed by parent or guardian giving general permission or specifying the manner in which leave may be spent. Forms for this purpose, and details of leave allowances, are sent to all students.

The amount of leave permitted is based on the student's year. A student is entitled to the leaves accorded those in her year only while in

good academic standing. Conditioned students in the Second, Third or Fourth year have the allowances granted to the year below.

Except in cases of emergency, telephone messages or telegrams requesting leave of absence for women students will receive no consideration.

Students wishing to stay at hotels, lodges, etc., while on leave, or to go on skiing trips, are required to have the written consent of their parents to do so.

On no account shall a student be absent from college without having complied with the regulations regarding registration of leaves, or without the knowledge and consent of the Warden. Absence from College without permission is a serious offence which renders the student liable to instant suspension or dismissal. If prevented from returning after an absence, due to illness or other cause, students must advise the Warden's representative immediately. These students must report to the Warden's office immediately upon their return.

Students are urged to have dental work attended to before entrance, though dental appointments will be allowed in cases of urgency. Appointments to visit a physician are allowed on production of a letter from the physician indicating the date and hour of the appointment.

All correspondence regarding the conduct of women students in residence should be addressed to The Warden, Stewart Hall, Macdonald College, P.Q.

MEN STUDENTS

All men students who expect to be absent from the College must leave some record of their movements.

VISITORS

Women students in residence may receive visitors any day from 4.00 to 6.00 p.m. and from 7.00 to 10.00 p.m. Visitors may be shown over the Residences only on Saturdays, except in the case of parents or friends from a distance. Guests may be entertained in the Reception Rooms and the Common Room; only women visitors may be shown students' bedrooms.

Women visitors to Brittain Hall may be entertained in the Reception Rooms only.

MISCELLANEOUS EXPENSES

LAUNDRY SERVICE

Weekly laundry service at moderate prices is provided by a Montreal laundry to which students may send their personal washing, sheets, pillow covers, and towels. Printed lists will be furnished, two copies of which, properly filled out, must accompany each parcel. Fully equipped laundry rooms are also provided in each residence for students' use.

HEALTH SERVICE

The College Health Service provides compulsory medical examinations for all men and women students at the beginning of each session. The examination for students entering for the first time includes a complete clinical check, together with an X-ray of chest and routine laboratory procedures.

All examinations are by appointment after registration. Any student who fails to keep this appointment becomes subject to later examination for which a charge of $2.00 is made. Any student who fails to have a medical examination by the Health Service becomes subject to disciplinary action by the University authorities.

Medical and nursing attendance, major operations and illness excepted, will be provided to all students while in attendance at the College.

If a student's admission to a city hospital is ordered by the College Medical Officer, one half of all public ward charges is paid by the College, provided that the total obligation assumed by the College does not exceed $125.00 in any one session for any one student. Should a student desire private accommodation, the difference in cost must be borne by him.

This contribution towards hospital expenses is made only when the illness or other condition requiring hospital treatment was not present or was unknown or undetected at the time of admission.

During the session all students are covered by a group accident insurance policy, the premium for which is included in the student activity fee.

BOOKS

The prescribed textbooks, and classroom and laboratory supplies, may be purchased at the College Book Shop.

McGILL UNIVERSITY

Information regarding admission, residence, health service, etc., will be found in the bulletin of *General Information* which is enclosed with this Announcement.

REGULATIONS GOVERNING CLASS I, CLASS II AND CLASS III DIPLOMAS

Class I and Class II Certificates may be exchanged for permanent diplomas after two years of successful teaching as certified by an Inspector.

Class III Certificates, including those in special subjects, remain interim until the holder has taught successfully for two years and has also successfully completed one session at Macdonald College Summer School within three years after receiving an interim certificate. At summer school he must take at least two professional courses *and* either two other professional courses or one academic course of first year college or university level. When he has met these requirements, he may exchange his interim certificate for a permanent diploma. The professional summer school courses may not be taken before the completion of one year of teaching except with the permission of the Director of Protestant Education, but academic courses may be taken immediately following graduation in June.

Class II Diplomas may be granted to teachers holding Class III Diplomas provided they have passed in ten papers of the Grade XI examination *and* have obtained either (a) the Senior High School Leaving Certificate with passes in English and four subjects *or* (b) certificates showing that they have passed courses in English of the first and second year college or university level and three other first year subjects, at least one of which must be Mathematics, French, Latin or a Science.

SCHOLARSHIPS, BURSARIES, LOAN FUNDS

A list of scholarships, bursaries and student loan funds may be obtained on application to the Director, Institute of Education, Macdonald College, Quebec.

PUBLICATIONS

The following publications are issued by the Institute:

Calendar of the Institute
Master of Arts (Education) Program
First Class (Graduate) Diploma Program
Scholarships, Bursaries and Loans
Summer School Announcement
Monthly Bulletin

Commissioned Officers of high calibre. Applicants must be 17 years of age, medically fit, and have a sound academic record. At present, the U.N.T.D. administers locally the Regular Officer Training Plan, by which selected candidates are subsidized at University at Public Expense (further details of R.O.T.P. on application).

Students entering the U.N.T.D. remain on a probationary basis until January of the First Winter, at which time a final selection is made. Normally, recruiting is limited to First and Second year students, and ends before November.

REQUIREMENTS FOR COMMISSION

Cadets who successfully complete the U.N.T.D. Course of three Winters and two Summers (minimum) receive an Acting Commission in the Royal Canadian Navy (Reserve). When a University degree is attained, the candidate is confirmed in the rank of Sub-Lieutenant.

Winter training consists of instruction in HMCS "Donnacona" one evening per week. Summer Training requires 14 weeks at either "Halifax" or "Esquimalt," ashore and at sea in one of Her Majesty's Canadian Ships.

Cadets rate of pay is $225.00 per month while in Active Training. During Winter Training, one drill night is considered the equivalent of one half-day's pay at the rate of $225.00 per month. Uniforms, rations, quarters, transportation, medical care are also provided.

NATURE OF TRAINING

Instruction is both theoretical and practical in nature. All cadets are trained as General List Officers for two Winters and two Summers. More specialized training is given in the third Summer which may be allied as closely as possible to the Cadets' University studies.

Shore-side training is augmented in the fullest extent possible by sea experience. In recent Summers, U.N.T.D. Cadets have visited such places as Gibraltar, Ireland, Great Britain, Southern France, Scandinavia, Alaska, California, Hawaii, Pearl Harbour and the Fiji Islands.

In addition, emphasis is placed on sports of all descriptions, with special stress on sailing.

For further information, apply to:

Commanding Officer, U.N.T.D.,
H.M.C.S. "Donnacona,"
2055 Drummond Street,
Montreal, P.Q.
VI. 2-9022, local 33.

R.C.A.F. McGILL UNIVERSITY RESERVE SQUADRON

WING COMMANDER C. D. SOLIN *Commanding Officer*

1. OBJECT

The RCAF has established the McGill University Reserve Squadron on the campus in order to provide an annual flow of university trained Officers into the Regular and Reserve components of the RCAF.

2. ELIGIBILITY—University Reserve Training Plan (URTP)

To apply for enrolment a student must be:

Between the ages of 16 and 26. (Female applicants must reach 18 before first summer training period.)

Able to complete three summers of RCAF training prior to graduation if applying for the Technical List.

Able to complete at least two summers of RCAF training prior to graduation if applying for the other training lists.

Medically fit to RCAF standards.

A Canadian citizen, or British subject with landed immigrant status.

3. TRAINING BRANCHES

Each fall, enrolments are made for training in the following branches:

TECHNICAL—Aeronautical Engineering, Armament, Construction Engineering, Telecommunications, Mobile Equipment Engineer.

OTHER —Accounts, Administration, Chaplain, Fighter Controller, Flying Control, Ground Observer, Medical, Food Services, Special Service (Recreation), Supply, Public Information.

4. TRAINING

(a) WINTER TRAINING—This program, which takes place at the university, normally consists of a weekly two hour parade. Parades commence in October and terminate in March and are phased so that they do not interfere with academic studies and examinations. This training is designed to familiarize URTP personnel with the duties and responsibilities of junior officers and to give a general knowledge of the RCAF, and its role in defence.

(b) SUMMER TRAINING—All successful candidates for the URTP attend Officers' School in the first half of the first summer. Those who are enrolled in a branch for which a course is conducted then proceed on formal training while the remainder receive supervised employment at stations across Canada. Each year a number of Flight Cadets may be selected to take their third summer at an overseas unit.

5. STATUS

Accepted students are enrolled with the training rank of Flight Cadet.

On successful completion of training, Flight Cadets will be commissioned as Pilot Officers. Upon graduation, Pilot Officers are eligible to transfer to the RCAF Regular, the Auxiliary, the Primary Reserve, or the Supplementary Reserve with the rank of Flying Officer.

6. PAY

DURING SUMMER TRAINING

$225 per month.

Rations, quarters, transportation, uniforms and medical attention are provided free.

DURING THE WINTER TRAINING PERIOD

Up to 16 days pay per winter, plus pay for any approved special duty.

7. APPLICATION FOR ENROLMENT

Phone VI. 4-1932 to make an appointment with the RCAF Officer, Room 10, Sir Arthur Currie Memorial Gymnasium.

Academic Dress

Undergraduates are entitled to wear a plain stuff gown, not longer than half way between knee and ankle, with round sleeves cut above elbow.

Bachelor of Arts—Black stuff gown, falling down below knee with full sleeve cut to elbow and terminating in a point (similar to that of the Cambridge B.A.); hood, black silk, lined with pale blue silk and edged with white fur.

Bachelor of Architecture—The same gown as Bachelors of Arts; hood, black silk, lined with white silk and edged with white fur.

Bachelor of Civil Law—The same gown as Bachelors of Arts; hood, black silk, lined with French grey silk and edged with white fur.

Bachelor of Commerce—The same gown as Bachelors of Arts; hood, black silk, lined with purple silk and edged with white fur.

Bachelor of Divinity—The same gown as Bachelors of Arts; hood, black silk, lined with violet silk and edged with white fur.

Bachelor of Education—The same gown as Bachelors of Arts; hood, black silk, lined one half with yellow and one half with pale blue silk and edged with white fur.

Bachelor of Education (Physical Education)—The same gown as Bachelors of Arts; hood, black silk, lined with claret coloured silk and edged with white fur.

Bachelor of Engineering—The same gown as Bachelors of Arts; hood, black silk, lined with scarlet silk and edged with white fur.

Bachelor of Library Science—The same gown as Bachelors of Arts; hood, black silk, lined with orange silk and edged with white fur.

Bachelor of Music—The same gown as Bachelors of Arts; hood, black silk, lined with pale mauve silk and edged with white fur.

Bachelor of Nursing—The same gown as Bachelors of Arts; hood, black silk, lined with dark blue silk and edged with white fur.

Bachelor of Science—The same gown as Bachelors of Arts; hood, black silk, lined with yellow silk and edged with white fur.

Bachelor of Science in Agriculture—The same gown as Bachelors of Arts; hood, black silk, lined with dark green silk and edged with white fur.

Bachelor of Science (Home Economics)—The same gown as Bachelors of Arts; hood, black silk, lined with jade green silk and edged with white fur.

Bachelor of Science in Nursing—The same gown as Bachelors of Arts; hood, black silk lined one half with scarlet and one half with dark blue silk and edged with white fur.

Bachelor of Science in Physical and Occupational Therapy—The same gown as Bachelors of Arts; hood, black silk, lined one half with yellow and one half with dark blue silk and edged with white fur.

Master of Arts—Black gown of stuff or silk, falling below knee, with long sleeves with semi-circular cut at the bottom (similar to that of the Cambridge M.A.); hood, black silk, lined with pale blue silk.

Master of Architecture—The same gown as Masters of Arts; hood, black silk, lined with white silk.

Master of Civil Law—The same gown as Masters of Arts; hood, black silk, lined with French grey silk.

Master of Commerce—The same gown as Masters of Arts; hood, black silk, lined with purple silk.

Master of Engineering—The same gown as Masters of Arts; hood, black silk, lined with scarlet silk.

Master of Laws—The same gown as Masters of Arts; hood, black silk, lined with French grey silk.

Master of Library Science—The same gown as Masters of Arts; hood black silk lined with orange silk.

Master of Sacred Theology—The same gown as Masters of Arts; hood, black silk lined with violet silk.

Master of Science—The same gown as Masters of Arts; hood, black silk' lined with yellow silk.

Master of Science (Applied)—The same gown as Masters of Arts; hood, black silk, lined one half with pale green silk and one half with yellow silk, divided vertically, the green being on the wearer's right.

Master of Social Work—The same gown as Masters of Arts; hood, black silk, lined with fuchsia silk.

Doctor of Civil Law—The same gown as Masters of Arts; hood, scarlet cloth, lined with French grey silk.

Doctor of Dental Surgery—The same gown as Masters of Arts; hood; scarlet cloth, lined with pink silk.

Doctor of Laws—The same gown as Masters of Arts; hood, scarlet cloth, lined with white silk.

Doctor of Letters—The same gown as Masters of Arts; hood, scarlet cloth, lined with pale blue silk.

Doctor of Medicine and Master of Surgery—The same gown as Masters of Arts; hood, scarlet cloth, lined with dark blue silk.

Doctor of Music—The same gown as Masters of Arts; hood, scarlet cloth, lined with mauve silk.

Doctor of Philosophy—The same gown as Masters of Arts; hood, scarlet cloth, lined with pale green silk.

Doctor of Science—The same gown as Masters of Arts; hood, scarlet cloth, lined with yellow silk.

Doctors of Laws, Doctors of Civil Law, Doctors of Letters, Doctors of Science, Doctors of Philosophy, and Doctors of Music are entitled to wear for full dress a robe of scarlet cloth (similar in pattern to that of the Cambridge LL.D.) faced with silk of the same colour as the lining of their respective hoods.

All hoods are in pattern similar to that of the Masters of Arts of Cambridge University.

Undergraduates and graduates wear the ordinary black trencher with black tassel, but Doctors of Laws, Doctors of Civil Law, Doctors of Letters, Doctors of Science, Doctors of Philosophy, and Doctors of Music wear for full dress a black velvet hat with gold cord, similar to that worn by Doctors of Laws of Cambridge University.

Samples of the colours of the linings of all hoods are kept for inspection in the office of the Registrar

Directory of Students 1960-1961

McGill University

Montreal

Directory of Students

1960-1961

DIRECTORY OF STUDENTS

TELEPHONE NUMBERS

		Local
Arts and Science Undergraduate Society, 690 Sherbrooke St. W.	AV-8-2244	
Athletics, Physical Education, and Recreation, 475 Pine Ave. W.		
Director: Harry E. Griffiths	VI.4-6311	431
Business Manager: John Forsyth	VI.4-6311	446
Book Store (University), 3416 McTavish Street	VI.4-6311	400
Canadian Officers Training Corps. 475 Pine Ave. West	VI.4-3304	
Canterbury House, 3479 University Street	VI.5-1939	
Conservatorium of Music, 3426 McTavish Street - Secretary	VI.4-6311	482
Co-Operative Residence (Men Students) 3609 University Street	AV.8-6307	
Diocesan College, 3473 University Street ----------Office	VI.9-3004	
Students	VI.9-1791	
Divinity Hall, 3520 University Street - Students	VI.4-6311	371
Graduates' Society, 3618 University Street	VI.4-6311	463
Hillel Foundation, 3460 Stanley Street	VI.5-9171	
I.V.C.F. (See "Student House")		

Macdonald College, Ste. Anne de Bellevue, Que. -

Administrative Offices	Ste.Anne GL.3-5335
Brittain Hall (Men's Residence)	Ste.Anne GL.3-1997 Ste.Anne GL.3-1828
Stewart Hall (Women's Residence)	Ste.Anne GL.3-1880 Ste.Anne GL.3-1959 Ste.Anne GL.3-1919
Laird Hall (Women's Residence)	Ste.Anne GL.3-1830 Ste.Anne GL.3-1991
Harrison House (Post Graduate Students)	Ste.Anne GL.3-4407
McGill Daily, 690 Sherbrooke Street West	AV.8-2244
Editor-in-chief: Morris Fish	VI.9-1550
Advertising Manager:	AV.8-2244
McGill Union, 690 Sherbrooke Street West	AV.8-2244
President: Robert Carswell	AV.8-2246

McGill University Administrative Offices -

Principal	VI.4-6311	300
Comptroller	VI.4-6311	303
Secretary of the Board of Governors	VI.4-6311	401
Registrar's Office	VI.4-6311	479
Cashier	VI.4-6311	205
Superintendent of Buildings and Grounds	VI.4-6311	441
Faculties -		
Arts and Science - Dean	VI.4-6311	206
" " " Assistant Dean	VI.4-6311	307
Dentistry - Dean	VI.4-6311	208
" Secretary	VI.4-6311	211
Divinity - 3520 University Street - Dean	VI.4-6311	293
Engineering - Dean	VI.4-6311	413
" Dean's Secretary	VI.4-6311	317
Graduate Studies and Research - Dean	VI.4-6311	538
Law, 3644 Peel Street - Dean	VI.4-6311	456
Medicine - Dean	VI.4-6311	311
" Secretary of Faculty	VI.4-6311	207
Music - 3426 McTavish Street - Dean	VI.4-6311	484
" Secretary	VI.4-6311	482
Schools -		
Architecture - McConnell Engineering Building - Director	VI.4-6311	351
Commerce, 1020 Pine Avenue West - Director	VI.4-6311	450
Graduate Nurses, 1266 Pine Avenue West - Director	VI.4-6311	485
Library, Redpath Library - Director	VI.4-6311	408
Physical Education, 475 Pine Ave. West -	VI.4-6311	433
Physical & Occupational Therapy, 3654 Drummond Street - Director	VI.4-6311	472
Social Work 3600 University Street - Director	VI.4-6311	562

		Local
McGill University Naval Training Division, 1475 Drummond Street, Staff Officer	VI. 2-9022	22
Newman House, 3484 Peel Street	VI. 4-4229	
Placement Service, 3574 University Street	VI. 4-6311	542
Presbyterian College, 3485 McTavish Street ..... Office	VI. 2-1926	
Students	VI. 4-0424 & VI. 9-0141	
R. C. A. F. Reserve University Squadron, 475 Pine Avenue West	VI. 4-1932	

Residences (University) -

(Note - There are several students' telephones in most University residences. These telephones are not connected with the University switchboard. The number given below is in each case that of the main hall telephone or porter. If you do not know the correct number through which to reach a student directly, call the listed number for information.)

Douglas Hall of Residence (Men Students), 3851 University St.	VI. 4-0977	
McLennan Hall (Women Students), 3480 Ontario Avenue	VI. 2-0044 & VI. 9-0580	
Royal Victoria College (Women Students), 555 Sherbrooke St. W.	VI. 4-0675	
R. V. C. Annex (Women Students), 1009 Sherbrooke St. W.	VI. 4-0426	
Wilson Hall (Men Students), 3506 University St.	VI. 4-0624	

Royal Victoria College, 555 Sherbrooke St. West -

Warden	VI. 4-6311	234
Warden's Secretary	VI. 4-6311	325
Porter (9 a.m. to 5 p.m.)	VI. 4-6311	236
Students: See note under "Residences, University", above.		

Student Christian Movement, 3625 Oxenden Avenue	VI. 2-1156	

Student Health Service, 517 Pine Avenue West -

Men (24 hour service)	VI. 5-9682	
Women - Day (9 a.m. to 5 p.m.) All students call: R. V. C. Infirmary	VI. 4-6311	420
Night (5 p.m. to 9 a.m.) - Women Students not in residence call: Dr. M. D. Mellor.	HU. 1-5560	

Student House (I. V. C. F.) 3445 Peel Street	VI. 5-9462	

Students' Executive Council, 690 Sherbrooke Street West -

President: Stuart Smith	AV. 8-2244	
Secretary-Treasurer: Wilfred T. Hastings	AV. 8-2247	
Tickets for Football and Hockey, Sir Arthur Currie Gymnasium	AV. 8-2247	
United Theological College, 3508 University Street - Students	VI. 4-6311	363
" " " " " " - Office	VI. 4-0752 / VI. 5-4873	
Women's Union of McGill University, 555 Sherbrooke Street, W.	VI. 9-2042	
President: Vita Land	VI. 4-6311	423

MEN'S FRATERNITIES

Alpha Delta Phi 3478 McTavish Street	VI.2-7412
Alpha Kappa Kappa, 3466 McTavish Street	AV.8-9533
Delta Kappa Epsilon, 3653 University Street	VI.2-2073
Delta Sigma Phi, 3592 University Street	VI.2-2435
Delta Upsilon, 3434 McTavish Street	VI.2-4492
Kappa Alpha, 3605 University Street	AV.8-0643
Kappa Rho Tau, 3511 Peel Street	VI.4-4777
Lambda Chi Alpha, 649 Milton Street, West	VI.5-0734
Nu Sigma Nu, 545 Pine Avenue West	VI.5-5841
Phi Delta Theta, 3581 University Street	VI.9-1368
Phi Epsilon Pi, 3420 Peel Street	VI.2-0343
Phi Gamma Delta, 481 Prince Arthur Street, West	AV.8-7773
Phi Kappa Pi, 3647 University Street	VI.9-2806
Psi Upsilon 3429 Peel Street	VI.9-9928
Sigma Alpha Mu, 1005 Sherbrooke Street, West	VI.9-2592
Sigma Chi, 3482 McTavish Street	VI.9-5965
Tau Epsilon Phi, 3641 Oxenden Avenue	VI.5-9831
Theta Delta Chi, 3633 Oxenden Avenue	AV.8-6896
Zeta Beta Tau, 3483 Peel Street	VI.2-0882
Zeta Psi, 3637 University Street	VI.9-1736

WOMEN'S FRATERNITIES

Alpha Gamma Delta, 3495 Peel Street	VI.4-7861
Alpha Omicron Pi, 3570 University Street	AV.8-8318
Delta Gamma, 985 Sherbrooke St. West	AV.8-9618
Delta Phi Epsilon, 3563 University Street	VI.4-4905
Gamma Phi Beta, 3472 McTavish Street	VI.4-7096
Kappa Alpha Theta, 659 Prince Arthur St. West	VI.4-2436
Kappa Kappa Gamma, 3503 University Street	VI.5-7911
Sigma Delta Tau, 3433 Durocher Street, Apt. 307	

DIRECTORY OF STUDENTS

Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
A	
AARON MIRIAM 5763 MCALEAR MONTREAL QUE	B A 1 HU 8 5355
AARONS DENNIS BRIAN 11772 GUERTIN ST CARTIERVILLE QUE	B SC 2 FE 4 3320
ABADOM PAUL NNAEMEKA 3619 UNIVERSITY ST MONTREAL QUE	PH D 3 VI 4 6311
ABAYOMI CHRISTOPHER A 3500 SHUTER ST MTL BOX 300 LAGUS NIGERIA	B SC 4 AV 8 1607
ABBEY DIANNE CAROL 519 CLARKE AVE WESTMOUNT QUE	B COM 1 WE 5 8012
ABBEY HELEN DOROTHY 4591 HAMPTON AVE MONTREAL 28 QUE	B A 1 HU 4 4939
ABBOTT LEON H 28 17TH AVE ROXBORO QUE	P E DIP 2 MU 4 3737
ABBOTT MARGARET ELIZABETH 471 STRATHCONA AVE MONTREAL QUE	B A 2
ABBOTT SMITH CHARLES W 4765 ROSLYN AVE MONTREAL QUE	MD CM 2 HU 6 2342
ABBRUZZESE ELVIO 9165 CLARK ST MONTREAL QUE	B SC 3 DU 9 5414
ABBS DOROTHY JEAN ROYAL VICTORIA COLLEGE 381 TOWN LINE OAKVILLE ONT	B A 3 VI 2 0327
ABDULAH FRANK OWEN 1650 DORCHESTER ST W APT 309 MONTREAL QUE	PARTIAL
ABECASSIS JACK 4710 QUEEN MARY RD APT 2 MONTREAL QUE	B ENG 1 RE 3 5996
ABECASSIS SIMON 3895 PLAMONDON ST APT 8 MONTREAL QUE	B ENG 1 RE 3 4083
ABEISON BEVERLY JILL 31 PERRAULT STE ANNE DE BELLEVUE QUE 4640 CIRCLE RD MONTREAL QUE	2 TCHRS 1 HU 1 1395
ABERMAN ARNOLD 5065 GLENCAIRN AVE MONTREAL QUE	B SC MDCM 1 HU 6 6744
ABERMAN SAMUEL 4675 CIRCLE RD MONTREAL QUE	B ENG 2 HU 6 5714
ABOOD JOSEPH GEORGE 3600 LINTON AVE APT 96 MONTREAL QUE	D D S 3 RE 9 4957
ABRAHAMS STEPHEN LEWIS 6775 MOUNTAIN SIGHTS AVE MONTREAL 29 QUE	B A 4 RE 8 5948
ABRAMOVITCH ARTHUR 313 ROY ST E APT 3 MONTREAL QUE	B ENG 2 VI 5 1734
ABRAMOVITCH DAN IAN 5562 ALPINE AVE MTL 428A NOTRE DAME ST JOLIETTE QUE	B ENG EL 5 HU 4 0283
ABRAMOWITZ MARK JACOB 5774 MC ALEAR AVE COTE ST LUC QUE	B C L 4
ABRAMS RICHARD HOWARD WILSON HALL 17 SUNLIGHT HILL YONKERS N Y USA	B A 1
ABRAMSON MARGARET ANN 2185 JOHNSON ST ST LAURENT QUE	B A 2 RI 4 3924
ABRAMSON MORTON 2185 JOHNSON ST ST LAURENT QUE	PH D 2 RI 4 3924
ABUGOU JOYCE GAIL 51 PERRAULT STE ANNE DE BELLEVUE QUE 5549 CLANRANALD AVE MONTREAL QUE	3 TCHRS 1
ACER ANTHONY MOISAN 510 VICTORIA AVE WESTMOUNT 6 QUE	B ENG MI 5 HU 4 6141
ACHTMAN MARK 4580 BARCLAY AVE APT 5 MONTREAL 26 QUE	B SC 2 RE 9 5946
ACKERMAN ALEXANDER 1002 VAN HORNE AVE MONTREAL 8 QUE	B SC 1 CR 6 8941
ACKMAN GEORGE ROGER S 4690 WESTMOUNT AVE WESTMOUNT QUE	B C L 1 HU 4 1412
ADAIR COLIN JOHN 386 ROSLYN AVE WESTMOUNT QUE	B A 1 WE 7 2548
ADAIR ROSS KENNETH 386 ROSLYN AVE MONTREAL QUE	MD CM 1 WE 7 2548
ADAM PETER FOX 16 CHESTER AVE VALOIS QUE	B ENG 2 OX 7 2518
ADAMS GRENFELL BERT 3445 PEEL ST MTL 1 PINE BUD AVE ST JOHNS NFLD	MD CM 1 VI 5 9462
ADAMS JOHN BASIL 8438 PLACE BELLFONTAINE VILLE D ANJOU QUE	PARTIAL CL 4 6154
ADAMS MORELAND 3600 LINTON AVE APT 97 14 PERREAULT AVE STE ANNE DE BELLEVUE QUE	D D S 2 RE 9 9678
ADAMS NELSON JAMES 1199 GODIN AVE VERDUN QUE	B A 2 PO 8 4816
ADAMS THOMAS G P 138 MARIEVILLE RD RICHELIEU QUE	B ENG MCH 3 OL 8 1073
ADAMS WILLIAM DAVID 4750 ACADIA RD LACHINE QUE	B ENG 1 ME 7 0547
ADAMS WILLIAM PETER 3484 DUROCHER APT 4 MONTREAL QUE	PH D 2 VI 9 3130
ADAMSON EDITH JANET KIRK 708 PARKDALE AVE OTTAWA ONT	M L S 2
ADAMSON JAMES T H 186 LONGUEUIL ST ST JOHNS QUE	S T M 3
ADAMSON MARION MARJORIE ROYAL VICTORIA COLLEGE 186 LONGUEUIL ST ST JEAN QUE	B SC 2 VI 2 0113

DIRECTORY OF STUDENTS

Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
ADDERLEY MARILYN VIOLET ROYAL VICTORIA COLLEGE NORTH SHORE PEMBROKE WEST BERMUDA	B SC N 1 VI 2 0829
ADDINALL MICHAEL BERNARD 2935 MAPLEWOOD AVE APT 8 30 HAWES LANE W WICKHAM KENT ENGLAND	B A 3 RE 7 9704
ADDO NEWTON KOFI NORMAN 3490 HUTCHISON ST MONTREAL QUE	B SC 2 VI 2 5580
ADEBO ELFRIDA OLAYIDE 3449 PEEL ST MTL C O CHIEF S O ADEBO TREASURY BANDAN NIGERIA	GRAD DIP 1 VI 4 0722
ADEGEYE EBENEZER ADEGEYE 377 PRINCE ARTHUR ST W MONTREAL QUE	B ENG EL 3 VI 4 6557
ADELSON PHYLLIS NORMA 51 PERRAULT STE ANNE DE BELLEVUE QUE 5530 BRADFORD PL MONTREAL QUE	3 TCHRS 1
ADELSTEIN REA 759 STUART AVE MONTREAL 8 QUE	B A 1 CR 9 5038
ADIBA ABBAS 1685 GRENET ST APT 7 MONTREAL 9 QUE	PARTIAL RI 4 6070
ADKAR CHINTAMANI K 7895 MOUNTAIN SIGHTS APT 24 MONTREAL 9 QUE	M ENG 1 RI 4 1511
ADLER ALAN STEVEN 4481 CIRCLE RD MONTREAL QUE	B ENG CIV 4 HU 8 9131
ADLER BARBARA DOROTHY 1420 ELIZABETH ST APT 4 ST LAURENT QUE	B SC 1 RI 7 0786
ADLER HERBERT G 1025 PINE AVE W 1566 PINE AVE W MONTREAL QUE	MED DIP3 4 VI 2 1251
ADLER MARTIN BRIAN 4481 CIRCLE RD MONTREAL QUE	B ENG 2 HU 8 9131
AGAMA GODFRIED K 3501 PEEL ST MTL C O MR A A TETTEH P O BOX 1922 ACCRA GHANA W AFRICA	B A 4 VI 5 2857
AGENSKY NATHAN 4529 PARK AVE MONTREAL QUE	B ENG CIV 5 AV 8 4945
AGENSKY SYLVIA 4529 PARK AVE MONTREAL QUE	2 TCHRS 2 AV 8 4945
AGHADJANIAN BEDROS 9031 10TH AVE VILLE ST MICHEL QUE	B ENG 2 DU 9 2296
AGRUMS JURIS 943 DAVAAR AVE OUTREMONT QUE	B ENG 1 CR 4 8515
AHERN JOHN S 545 PINE AVE W MTL 1066 MISSION CANYON RD SANTA BARBARA CALIF USA	MD CM 4 VI 5 5841
AHMEDKHAN EKRAM AMIRKHAN 5157 CUMBERLAND AVE MTL 9 VASAMT PEDDER RD BOMBAY 26 INDIA	B ENG 2 HU 1 4725
AIELLO LUCY LITTORIA 11823 GRENET ST MONTREAL 9 QUE	B A 4 FE 4 5697
AIELLO PAUL SEBASTIANO 3854 LEVESQUE BLVD ST VINCENT DE PAUL QUE	B A 1 NO 1 3201
AIKMAN ROBERT HOWARD 1512 PINE AVE W MONTREAL QUE	B SC 3 WE 7 1641
AILLAUD MARINA 4376 DRAPER ST MONTREAL QUE	B A 2 HU 8 3412
AINSWORTH LOUIS 34 MAPLE AVE APT 28 STE ANNE DE BELLEVUE QUE ST GOVANS WILTON RD ILKLEY YORKS ENGLAND	M A 2 GL 3 6895
AITKEN CATHERINE LYNN MACDONALD COLLEGE 10 STRATHEARN S MONTREAL WEST QUE	B ED 2
AJEMIAN GEORGE KEVORK 3617 LORNE CRES MONTREAL QUE	D D S 2
AJERSCH FRANK 2175 BERCY ST MONTREAL 24 QUE	B ENG CH 3 LA 3 1779
AKMAN DAVID 4100 BOUCHETTE ST APT 32 MONTREAL 26 QUE	A & S COM 1 RE 3 4388
ALALOUF ROBERT HENRY 2547 EKERS AVE MONTREAL QUE	B ENG 1 RE 3 0554
AL ATTAS SYED NAGUIB 3424 DRUMMOND ST MONTREAL QUE	M A 1 VI 4 0659
ALBERT JOYCE CYNTHIA ROYAL VICTORIA COLLEGE 12 TAROUBA RD MARABELLA TRINIDAD T W I	B A 1 VI 4 0675
ALBISSER ANTHONY MICHAEL 3484 PEEL ST MTL 45 DE TILLY BOUCHERVILLE QUE	B ENG 2 VI 4 5922
ALBRIGHT HELEN ELIZABETH 835 LEDUC ST ST LAURENT QUE	B A 2 RI 7 5177
ALBRIGHT LAWRENCE J MACDONALD COLLEGE 387 KELLY SQ MCMASTERVILLE QUE	B SC AGR 2
ALBU BARBARA JUNE 3460 SIMPSON ST APT 807 MONTREAL QUE	M A 2 WE 3 2244
ALCOCK ANTONY EVELYN 3484 DUROCHER ST APT 312 MONTREAL 18 QUE	B A 4 VI 9 1008
ALCOCK JAMES EDWARD 1502 BLVD DU LAC ST EUSTACHE SUR LE LAC CENTRAL BUTTE SASK	B SC 2 GR 3 2586
ALCOCK SHIRLEY MACDONALD COLLEGE 3 EMMELINE CRES AGINCOURT ONT	3 TCHRS 1
ALDERSON SMITH C C 3653 UNIVERSITY ST MTL EASTFIELD HOUSE BRAUNSTON RUGBY WARWICKS U K	B SC 4
ALDERSON SMITH GAVIN E DOUGLAS HALL EASTFIELD HOUSE BRAUNSTON MR RUGBY WARWICKS U K	B A 2 VI 2 7410
ALEONG STANLEY 3575 JEANNE MANCE ST APT 1 MONTREAL QUE	B COM 4 VI 9 1870

DIRECTORY OF STUDENTS

Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
ALEXANDER ANDREW BOAK 3653 UNIVERSITY ST MTL 1212 RIVERDALE AVE CALGARY ALTA	B ARCH 5 VI 5 2738
ALEXANDER BENEDICT F 3484 PEEL ST MTL ST GEORGES NFLD	B ENG CIV 5 VI 4 5922
ALEXANDER JAMES FROSST DOUGLAS HALL 255 COLVILLE RD CHARLOTTE N C USA	MD CM 2 VI 4 5300
ALEXANDER MICHAEL O 3660 THE BOULEVARD MONTREAL QUE	B COM 3 HU 9 9548
ALEXANDER NANCY ANNE S STEWART HALL 171 CADILLAC AVE BOURLAMAQUE QUE	B SC H EC 1
ALEXANDER PETER GUY 228 TRENTON AVE TOWN OF MT ROYAL QUE	B A 1 RE 3 3845
ALEXANDRI ATHINA 3555 MAPLEWOOD MONTREAL QUE	MED DIP 2 RE 9 8867
ALGIE CATHERINE ELEANOR 20786 LAKESHORE RD BAIE D URFE QUE	2 TCHRS 1
ALI MUZAFFAR 1345 REDPATH CRES MTL UNIVERSITY LIBRARY ALIGARH INDIA	M L S 2 VI 4 6311
ALLAN ARTHUR GORDON 2210 DOVER RD MONTREAL 16 QUE	B ENG 1 RE 7 8833
ALLAN DAVID GEOFFREY P 3434 MCTAVISH ST MTL CAIXA POSTAL 8129 SAO PAULO BRAZIL	B A 1 VI 2 4992
ALLAN ROBERT FRASER 212 TALLWOOD PL ROSEMERE QUE	B ENG CH 3 NA 5 4007
ALLAN RONALD STUART 5244 SARANA MONTREAL QUE	PH D 4 HU 8 7440
ALLAN WANDA MAY 4025 SIR GEO SIMPSON 1133 RICHARD AVE OTTAWA 1 ONT	GRAD DIP 1
ALLARD GABRIEL 3820 SHERBROOKE E MONTREAL QUE	B L S 1 CL 6 7591
ALLARD JOSEPH C G 3770 VERDUN AVE VERDUN 19 QUE	B COM 2 PO 8 9562
ALLASE ANNE 4700 CLANRANALD AVE APT 17 MONTREAL 29 QUE	B A 2 HU 1 4657
ALLEN ARTHUR BRUCE MACDONALD COLLEGE ARCADIA YARMOUTH CO N S	B SC AGR 3
ALLEN CHARLOTTE MARY 100 BROCK AVE S MONTREAL WEST QUE	B A 3 HU 6 0252
ALLEN LYNNE ELIZABETH 3489 CONNAUGHT AVE MONTREAL WEST QUE	B SC 1 HU 6 6861
ALLEN MERIROSE ROYAL VICTORIA COLLEGE ALLENDALE R 1 PARIS ONT	B A 3 VI 2 0495
ALLEN NORMAN TRISTRAM H 15 WINCHESTER AVE WESTMOUNT 6 QUE	D D S 1 HU 1 6548

NAME ADDRESS	COURSE & YEAR TEL. NO.
ALLEN PATRICIA 155 HICKSON AVE ST LAMBERT QUE	M S W 1 OR 1 3094
ALLEN ROBIN RICHARD 1500 STANLEY ST MTL 7 BUCKINGHAM PALACE GDNS LONDON S W I ENGLAND	B A 3 VI 9 6764
ALLEN SHARON LYNN M 123 DOUGLAS SHAND AVE PTE CLAIRE QUE	B A 2 OX 7 3978
ALLEN STEPHEN ROSS 4865 QUEEN MARY RD APT 5 MONTREAL QUE	B ENG CIV 5 RE 3 7894
ALLESLEV IAN 1595 OUIMET ST ST LAURENT QUE	B ENG EL 4 RI 7 6104
ALMANDOZ DAVID ANTHONY 8987 TOLHURST ST MTL 29 O CONNOR ST PORT OF SPAIN TRINIDAD W I	B SC 2 DU 1 3664
ALPERT MORTON 6115 MACDONALD AVE MONTREAL QUE	B ENG 1 RE 7 6157
ALTER ISABELLE 5400 RANDALL APT 16 MONTREAL QUE	B A 3 HU 8 4690
ALTMAN DAVID 4382B DE BULLION ST MONTREAL QUE	B SC 1 AV 8 6612
ALTON BRUCE SCOTT 3475 STANLEY ST APT 3 C O GEO W ALTON R R 1 CAMLACHIE ONT	B D 1
ALTROWS SYLVIA JOAN 4150 MELROSE AVE MONTREAL QUE	B A 1 HU 9 1635
ALTSCHUL SUSAN MONICA ROYAL VICTORIA COLLEGE 1500 STANLEY ST APT 1028 MONTREAL QUE	B A 2 VI 2 0571
ALTSCHULER AMNON 6612 MERTON RD COTE ST LUC QUE	B SC 2 HU 8 6204
ALTSHULLER BERNARD 2250 COTE VERTU RD ST LAURENT QUE	B ENG MET 5 RE 7 9075
ALU SAMSON OKOH 3508 UNIVERSITY ST MONTREAL QUE	B ENG 2 VI 5 4873
ALVO HAIM DANIEL 3010 MAPLEWOOD AVE APT 8 219 QUEEN OLGA AVE THESSALONIKI GREECE	B ENG MCH 5 RE 8 6018
ALWARD KARIN VICTORIA 1025 GRAHAM BLVD TOWN OF MT ROYAL QUE	B A 4 RE 7 3446
ALZNER EDGAR 7690 2ND AVE MONTREAL 38 QUE	B ENG MCH 5 RA 7 8306
AMANO MINORU 3504 PARK AVE APT 3 MTL 126 OZU CHO HIROSHIMA JAPAN	PH D 4 VI 4 4085
AMARON ROBERT ERROL 3511 PEEL ST MTL ADAMSTON ONT	M A 1 VI 4 4777
AMBE KISHORE SHREEPAD 3537 UNIVERSITY ST APT 32 MONTREAL QUE C O MR M S AMBE TRADE WINGS 60 JANPATH NEW DELHI INDIA	MD CM 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
AMBROSE JOAN MARIE 2080 LINCOLN APT 20 MONTREAL QUE	PARTIAL WE 2 0813
AMERY ANTHONY DEREK 503 37TH AVE VILLE LASALLE QUE	M A 2 DO 6 9636
AMEY GERALD XAVIER 3501 LORNE CRES MTL 356 8TH AVE ST EUSTACHE SUR LE LAC QUE	PH D 3
AMIR KALALI MEHRI 3572 LORNE AVE APT 5 MTL PAHLAVY AVE VAZIRY HOSPITAL ST TEHERAN IRAN	D D S 4 VI 5 1974
AMOS RICHARD WAYNE 4700 RADISSON ST MONTREAL 5 QUE	B ENG MET 4 CL 6 0733
AMY JULIA BERYL MACDONALD COLLEGE 44 ELLICE ST BEAUHARNOIS QUE	B ED 2
AMY ROBERT ERNEST 3508 DUROCHER MTL 44 ELLICE BEAUHARNOIS QUE	B ENG CIV 4 VI 9 4352
AMYOONY JOSEPHINE BETTY 3541 SHUTER ST APT 24 95 SHIRLEY ST HALIFAX N S	MUS B 1 VI 2 0892
ANAND PREM KUMAR 2049 MCGILL COLLEGE APT 7 MTL 4581 4TH ST L ABORD A PLOUFFE QUE	B ENG 2 MU 1 2492
ANASTASSIADES PHOEBUS T 406 PINE AVE APT 61 MTL P O BOX 131 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	MD CM 3 VI 9 6427
ANCHEL HARVEY 5510 ROBINSON AVE COTE ST LUC QUE	B SC 3 HU 8 1671
ANDERS WITOLD ANTONI 1218 GREENE AVE WESTMOUNT QUE	B ENG 1 WE 5 4314
ANDERSON ANN ELIZABETH 111 DOUGLAS SHAND AVE PTE CLAIRE QUE	2 TCHRS 1 OX 7 2565
ANDERSON BRUCE CARL 3446 VENDOME AVE MONTREAL QUE	B ARCH 3 HU 4 9070
ANDERSON DUNCAN PERRY 89 ARLINGTON AVE WESTMOUNT QUE	B SC 2 WE 7 1697
ANDERSON ERIC MAYNARD 2155 ST MARK ST APT 10 1502 MYRON DR PORT CREDIT ONT	B ENG CIV 4 WE 2 7097
ANDERSON GARY JOHN 3446 VENDOME AVE MONTREAL QUE	B SC 2 HU 4 9070
ANDERSON JANET BAIRD 3480 ONTARIO AVE MTL 9 MONKSTOWN RD ST JOHN S NFLD	B SC P OT 3
ANDERSON JOAN ISOBEL 1185 ESSEX ST 278 SASK ST W MOOSE JAW SASK	B N 2 WE 7 8511
ANDERSON MARGARET JOAN 112 THORNTON AVE TOWN OF MT ROYAL QUE	B ED 3 RE 8 0528
ANDERSON NAOMI MARGARET 4335 CORONATION AVE MONTREAL 28 QUE	PH D 1 HU 6 5374
ANDERSON PETER JOHN BRITTAIN HALL 26 DUNYEGAN RD OTTAWA ONT	B SC AGR 1
ANDERSON RAY SCOTT 3446 VENDOMME AVE MONTREAL QUE	B ENG EL 4 HU 4 9070
ANDERSON ROBERT F V 3478 MONTCLAIR AVE MONTREAL 28 QUE	B SC 1 HU 1 4858
ANDERSON SANDRA JANE 129 PICARDIE ST PREVILLE QUE	B ED 3 OR 1 5181
ANDERSON WILLIAM JAMES 155 WESTCLIFFE AVE PTE CLAIRE QUE	B ENG 1 OX 7 1354
ANDRE LESLIE S 1431 STANLEY APT 19 MONTREAL QUE	B COM 4
ANDREWS DRAKE MORGAN DOUGLAS HALL 65 EDGEHILL RD ISLINGTON ONT	B ENG 2
ANDREWS ELIZABETH ANN MACDONALD COLLEGE 7282 MOLSON ST MONTREAL QUE	2 TCHRS 1
ANDREWS JOHN THOMAS 3440 SHUTER ST MTL 25 OXFORD ST MILLOM CUMB ENGLAND	M SC 2
ANDROUTSOS EVANGELOS 1446 MOUNTAIN ST MTL 5420 W 52ND ST CLEVELAND OHIO USA	D D S 3 VI 9 0182
ANDRY HAROLD PAUL 3280 LINTON AVE APT 9 MONTREAL 26 QUE	MED DIP 2 RE 9 5628
ANECKSTEIN JULIE M T 4880 QUEEN MARY RD APT 15 MONTREAL QUE	B A 1 RE 1 4834
ANELIUNAS ALGIS EDWARD 105 MONETTE ST APT 1 MONTREAL QUE	M ENG 1 DO 6 3392
ANGEL ROGER BERNARD 58 SHERBROOKE ST W APT 9 MONTREAL QUE	M A 2 VI 9 3125
ANGELL HAROLD M 3605 RIDGEWOOD AVE APT 105 MONTREAL 26 QUE	PH D 3 RE 1 2019
ANGELOPOULOS THALIA 3566 LORNE AVE MONTREAL QUE	B SC 1 AV 8 0377
ANGLIN NANCY ELIZABETH 761 42 AVE LACHINE QUE	B SC N 3 ME 7 0998
ANGUS ELIZABETH ANNE 699 ABERDEEN AVE WESTMOUNT QUE	2 TCHRS 2 HU 6 3355
ANGUS ESTHER LOUISE 3649 DUROCHER ST APT 8 1120 EAST MARKET ST DANVILLE PA USA	M A 1 VI 9 9612
ANGUS FREDERICK FORBES 636 ROSLYN AVE WESTMOUNT QUE	B SC 3 HU 1 1897
ANGUS IAN WILLIAM M 202 SENNEVILLE RD SENNEVILLE QUE	B ENG EL 4 GL 3 5151
ANGUS WILLIAM DAVID 699 ABERDEEN AVE WESTMOUNT QUE	B C L 2 HU 6 3355 PH D 2
ANISFELD MOSHE PETERSON HALL MCGILL UNIVERSITY MONTREAL QUE	

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ANNAND PETER NORMAN S 3827 OLD ORCHARD AVE MONTREAL 28 QUE	B ENG EL 5 HU 4 6471
ANNESLEY ANDREW CRAWFORD 1 SUNNYSIDE AVE WESTMOUNT QUE	B COM 1 WE 3 8092
ANNETT ELAINE MARGARET MACDONALD COLLEGE BOX 246 GASPE QUE	3 TCHRS 1
ANNETT MICHAEL PHILLIP 5032 VICTORIA AVE MONTREAL 26 QUE	B SC 1 RE 9 0790
ANSLOVAR JOSEPH ANTHONY 4370 KINSINGTON AVE MTL 18304 LA SALLE AVE CLEVELAND 19 OHIO USA	MD CM 1 HU 8 6053
ANTENEN ROGER EDMOND 3433 DUROCHER APT 505 MONTREAL 18 QUE	B ENG EL 4 VI 9 6707
ANTHONY CARL L BRITTAIN HALL 52 EVANS ST ST AUGUSTINE TRINIDAD W I	B SC AGR 4 GL 3 1828
ANTONACCI ANDREW ANTHONY 8045 DROLET ST MONTREAL QUE	B A 2 DU 8 3039
ANTONIOU CHRISTOS P 3300 RIDGEWOOD APT 7 MTL 3 RUE EL RONEY CAIRO EGYPT	PARTIAL
ANYAHURU EMMANUEL A 3506 DUROCHER ST APT 6 UMBUOBASI P A ABA NIGERIA	B ENG AM 3 VI 9 5049
APEN EDWARD M 2740 DARLINGTON PL APT 22 MTL 2844 MACKLEM AVE NIAGARA FALLS N Y USA	MD CM 4 RE 3 6819
APPEL DAVID HARRY 501 ROSLYN AVE WESTMOUNT QUE	B A 3 WE 4 1158
APPEL MAUREEN ROSE ROYAL VICTORIA COLLEGE 436 MAYFAIR AVE OTTAWA 3 ONT	B A 3 VI 2 0847
APPELT DAVID THOMAS 4801 MIRA RD MONTREAL 29 QUE	B SC 2 RE 9 0262
APPLE MORTY 3037 BEDFORD RD MONTREAL QUE	B C L 3 RE 9 6114
APPLEBAUM BEVERLEY RUTH 5156 DUROCHER AVE OUTREMONT QUE	B A 2 CR 7 2751
APPLETON DAVID HILL BRITTAIN HALL 1467 FAIRMOUNT BLVD PETERBORO ONT	B SC AGR 1
ARA ROUSHAN BIOCHEMISTRY DEPT BIOLOGY BLDG 35 C GONAKTULI LANE DACCA 2 EAST PAKISTAN	PH D 3
ARATO JANOS 5770 HUTCHISON ST MONTREAL QUE	B SC 2 CR 7 8736
ARBESS JUDITH ROSALIE 5005 PRINCE OF WALES AVE MONTREAL QUE	B SC 2 HU 1 8875
ARBESS SAUL EDWIN 4445 HINGSTON AVE MONTREAL QUE	B A 4 HU 4 5823
ARBOIT JOAN M 456 PINE AVE W APT 37 R D NO 2 COLCHESTER CONN USA	MD CM 4 VI 4 8382
ARCHAMBAULT JOHN KENEHAN 5724 DEOM AVE MONTREAL 26 QUE	B C L 1 RE 7 9723
ARCHER DAVID JOHN F 130 WINDWARD CRES PTE CLAIRE QUE	B ENG 1 OX 5 6352
ARCHER DAVID VICTOR 3484 PEEL ST MTL 31 ST OURS RD SOREL QUE	B ENG 1
ARCHIBALD ALLEN CLIFFORD 2980 GLENCOE AVE MONTREAL 16 QUE	B ENG EL 3 RE 7 3433
ARCHIBALD DONALD MUNRO 2248 HAMPTON AVE MONTREAL 28 QUE	B ENG 1 HU 8 4385
ARCHIBALD GARY M 2007 MANSFIELD ST APT 25 MONTREAL QUE	PH D 4 VI 2 3335
ARMACOST SUSANNA MURRAY ROYAL VICTORIA COLLEGE 5104 WHITEFORD AVE BALTIMORE 12 MD USA	B A 2 VI 2 0113
ARMBRUSTER BARBARA IRMA 144 SECOND AVE LASALLE QUE	B A 4 DO 5 0596
ARMENI LEONARD 766 43RD AVE LASALLE QUE	GRAD QUAL 1 DO 6 6946
ARMENTEROS ERNESTO JAIME 3484 PEEL ST MTL APT 462 CIUDAD TRUJILLO DOMINICAN REPUBLIC	B ARCH 2 VI 4 5922
ARMITAGE GEORGE D H 3592 UNIVERSITY ST MTL OAKLANDS MANOR THORNER NR LEEDS YORKSHIRE ENGLAND	B SC 4 VI 2 0997
ARMITAGE HOWARD MACKAY BRITTAIN HALL 37 MELBOURNE AVE TOWN OF MT ROYAL QUE	B SC AGR 1
ARMSTRONG GEORGE D BRITTAIN HALL 12 BECKLER AVE LA TUQUE QUE	2 TCHRS 2
ARMSTRONG HEATHER NOREEN MACDONALD COLLEGE 4553 DICKSON ST MONTREAL 5 QUE	3 TCHRS 1
ARMSTRONG JAMES BRENDEN BRITTAIN HALL 10944 ST GERTRUDE ST MONTREAL NORTH QUE	2 TCHRS 1
ARMSTRONG JOHN BRIGGS 7 BRUNET AVE PTE CLAIRE QUE	B SC 3 OX 5 4760
ARMSTRONG ROBERT DAVID 3484 MCTAVISH ST MTL 24 CHESTNUT PARK RD TORONTO ONT	B A 1
ARMSTRONG ROSS K BRITTAIN HALL 416 THIRD AVE OTTAWA ONT	B SC AGR 2
ARMSTRONG SANDRA JUNE ROYAL VICTORIA COLLEGE 49 WINSTON CIRCLE PTE CLAIRE QUE	B A 3 VI 2 0147
ARNOLD DOROTHY MARGUERITE 4860 QUEEN MARY RD APT 3 4 RIDON RD KINGSTON S JAMAICA W I	GRAD DIP 1 RE 3 7567

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ARNOPOULOS HELEN ELENI 4310 OLD ORCHARD AVE APT 11 MONTREAL QUE	PARTIAL HU 4 8798
ARONOFF EDWARD EARL 4040 VENDOME AVE MONTREAL QUE	B A 3 HU 4 2831
AXELSEN FRITZ JAROLIM 3449 SHUTER ST APT 8 MONTREAL QUE	B SC 3 VI 5 6305
ARONOVITCH KATHERINE S 1530 DUMFRIES RD TOWN OF MT ROYAL QUE	GRAD QUAL 1 RE 8 3284
ARONSON ISRAEL SIMON E 5823 WOLSELEY AVE COTE ST LUC QUE	B ENG 1 HU 1 0735
ARONSON NORMAN 3235 APPLETON AVE MONTREAL QUE	B SC 4 RE 3 9560
RSCOTT DAVID PHILIP 6037 30TH AVE MONTREAL QUE	B ENG MI 3 RA 8 8870
ARTHURS MARJORIE MARY MACDONALD COLLEGE BOX 64 CALUMET QUE	2 TCHRS 1
ARVANITAKIS CONSTANTINOS 2074 CITY COUNCILLORS ST 14A VATATZI ST ATHENS 7 GREECE	B SC 4 VI 9 9061
ARVO CHRISTIE 4555 GRAND BLVD APT 17 MONTREAL QUE	B COM 1 HU 4 0645
ASBURY ALISON MARY 5711 WESTMINSTER AVE MONTREAL 29 QUE	B SC 3 HU 4 5995
ASCAH ALAN GEORGE 4610 SHERBROOKE ST LACHINE QUE	B ENG CH 4 ME 7 8803
ASENCIO FELIZ FRANCISCO 3488 DUROCHER ST MTL 14 ELSPETH AVE KINGSTON 10 JAMAICA W I	B SC 2 VI 5 8327
ASHE THOMAS J 3330 BEDFORD RD APT 30 2585 BOSTON RD N WILBRAHAM MASS USA	D D S 4
ASHKENAZY KERRY 144 RADCLIFFE RD MONTREAL WEST QUE	B A 1 HU 9 8997
ASHTON JOHN ANTHONY 3485 MCTAVISH ST MTL CROSS ST SO HANOVER MASS USA	B A 1
ASHWORTH MICHAEL A 3664 THE BOULEVARD WESTMOUNT QUE	MD CM 4 HU 4 2046
ASPINALL CLIVE NICHOLAS 3429 PEEL ST MTL 9H SIGNAL REGIMENT ROYAL SIGNALS B F P O 53 CYPRUS	B SC 1 VI 9 9928
ASPLER JERROLD 2054 VAN HORNE AVE APT 1 MONTREAL QUE	B COM 2 RE 8 7176
AST HELGA 4870 WALKLEY AVE APT 9 MONTREAL QUE	MED DIP 3 HU 8 1073
ASTER HOWARD 5764 ELDRIDGE AVE COTE ST LUC QUE	B A 1 HU 4 0994
ASTER MARTIN AARON 5764 ELDRIDGE AVE COTE ST LUC QUE	B C L 1 HU 4 0994
ASTER SIDNEY 5764 ELDRIDGE AVE COTE ST LUC QUE	B A 2 HU 4 0994
ASTWOOD JOHN ERNEST 406 PINE AVE W APT 24 MONTREAL QUE	B SC 2 VI 5 2780
ATHERLEY MARVA MARJORIE 1355 DORCHESTER ST W MTL 5 STONE ST PORT OF SPAIN TRINIDAD T W I	B A 3 UN 6 9941
ATHERTON RICHARD H WILSON HALL VICENTE GUEMES 170 LOMAS DE CHAP MEXICO 10 D F MEXICO	B ENG 1
ATKINSON JOHN NORMAN 83 DOBIE AVE MONTREAL 16 QUE	B SC 3 RE 7 1691
ATTAS JACK E 1041 35TH AVE LASALLE QUE	M ENG 1 DO 6 2379
ATTOBRAH KOFI AWEMENEMU K 3532 SHUTER ST MONTREAL 18 QUE	B ENG CIV 5 AV 8 5787
ATTRIDGE HEATHER ISABEL 32 STRATFORD RD HAMPSTEAD QUE	B A 4 HU 1 1364
ATWOOD JOHN WILLIAM 3440 HINGSTON AVE MONTREAL 28 QUE	B ENG EL 3 HU 6 5442
ATWOOD MAUREEN PATRICIA MACDONALD COLLEGE 3440 HINGSTON AVE MONTREAL 28 QUE	2 TCHRS 1
AUBANEL CLAUDE JEAN F 623 PRINCE ARTHUR W APT 3 MONTREAL 18 QUE	B SC 3 VI 5 0352
AUDET ELAINE CATHERINE 345 GRAHAM BLVD TOWN OF MT ROYAL QUE	B SC N 1
AUER JAN WILLEM DOUGLAS HALL 405 HURON AVE OTTAWA ONT	B ENG 2
AUERBACH ARNOLD 705 QUERBES AVE APT 5 MONTREAL QUE	B ENG EL 4 CR 2 8987
AUF DER MAUR ERIC N 1310 PINE AVE W APT 7 MONTREAL QUE	B A 1 VI 9 8535
AUGER RAYMOND LOUIS 3954 MAPLEWOOD AVE MTL 36 DES ERABLES PRINCEVILLE QUE	B SC 1 RE 9 8463
AUNS VILIS 4370 GRAND BLVD APT 3 MONTREAL 28 QUE	B ENG 2 HU 9 6710
AURLICK NORMAN 91 LAPALME ST LAURENT QUE	B SC 3 RI 4 6572
AVERTICK CALVIN LARRY 638 CHAMPAGNEUR AVE MONTREAL QUE	B ENG EL 3 CR 2 2075
AVERY BETTY SUE MACDONALD COLLEGE 218 18TH ST VAL D OR QUE	3 TCHRS 1
AVISON MARTHA ELIZABETH P O BOX 220 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B A 1 QL 3 5678
AVRUTICK JUDITH BRENDA 5548 TRANS ISLAND MONTREAL 29 QUE	B A 2 RE 7 6261
AWAI LAWRENCE ELLIOT 2030 BISHOP ST APT 2 DIAMOND VILLAGE DIEGO MARTIN TRINIDAD W I	B SC 2 VI 9 0502

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NAME ADDRESS	COURSE & YEAR TEL. NO.
AWUKU ALEXANDER 3559 UNIVERSITY ST APT 5 MTL P O BOX 3 TUTU AKWAPIM GHANA WEST AFRICA	B COM 4 VI 9 9880
AXELROD EARL ALLAN 4122 ISABELLA AVE MONTREAL QUE	B COM 2 RE 7 4144
AXMAN MICHAEL MARK 5215 VAN HORNE AVE APT 4 MONTREAL QUE	B SC 2
AYER SHIRLEY ANN 3 AVE DES BOULEAUX REPENTIGNY QUE	M A 2
AYOUP RAYMOND GEORGE 6222 DE VIMY AVE MONTREAL 8 QUE	B C L 3 RE 9 5217
AZMANN MARY 1900 LINCOLN AVE APT 77 MONTREAL QUE	PARTIAL

B

BAARS CORNELIUS MARIA 4639 GODARD AVE APT 2 PIERREFONDS QUE	MD CM 1 MU 4 3869
BAATZ JOHN ORMONDE 4801 VICTORIA AVE MONTREAL 29 QUE	B ENG CIV 4 HU 1 1583
BAATZ PAUL ORMONDE 4801 VICTORIA AVE MONTREAL 29 QUE	B A 4 HU 1 1583
BABARIK NANCY ROSE 3465 SIMPSON APT 11 MTL 480 DREW ST OSHAWA ONT	B SC P OT 1 WE 5 0333
BABATZANIS JOHN 493 L ESPLANADE AVE MTL 228 GEORGEON GONNAVEI SALONIKA GREECE	MED DIP 4 VI 5 4875
BACHELOR CARASCO HILARY 4087 HAMPTON AVE MTL CASTRIES ST LUCIA T W I	B COM 1 HU 1 3422
BACKLER ALAN LEWIS 44 ROXBOROUGH AVE WESTMOUNT QUE	B A 3 HU 1 4618
BACKMAN HOWARD 55 9TH AVE LASALLE QUE	B ENG EL 5 DO 6 0895
BACKUS RONALD ARTHUR 3660 LORNE CRES APT 24 HEUVELTON NEW YORK USA	MD CM 1 AV 8 4088
BACON GARY FRANCOIS 3600 LINTON AVE APT 304 1685 UNIVERSITY DR SAN JOSE 26 CALIF USA	MD CM 4 RE 9 8308
BACON JOYCE AUDREY 5781 LASALLE BLVD VERDUN QUE	B N 2 PO 8 2378
BACON MARY ELLEN 26 WAVERLEY RD PTE CLAIRE QUE	B ED 4 OX 5 2815
BADE MAX F J G U MCDONALD COLLEGE 92 LAKESHORE DR DORVAL QUE	B SC AGR 1
BADE NICOLAS MACDONALD COLLEGE 92 LAKESHORE DR DORVAL QUE	B SC AGR 1
BAECHELEN EMIL X 366 SHERBROOKE ST W APT 12 MTL 72 20TH FOREST AVE RIDGEWOOD 27 N Y USA	MD CM 3 VI 5 2597
BAFFI HELEN 231 ST JOSEPH W MONTREAL QUE	D D S 3 CR 7 7842
BAGGALEY WILLIAM 3621 DUROCHER ST MTL 43 SHARP HILL RD WILTON CONN USA	B A 2 VI 9 4667
BAIG MIRZA Y A 3733 JEANNE MANCE MONTREAL QUE	PH D 4 VI 2 0339
BAILEY CHRISTOPHER M WILSON HALL 163 CARRUTHERS AVE KINGSTON ONT	B ENG MCH 3
BAILEY FAY MONICA 3525 SHUTER ST APT 22 26 BRUNSWICK AVE SPANISH TOWN JAMAICA W I	B SC 2 VI 9 9660
BAILEY MIRIAM CAROL MACDONALD COLLEGE 209 LOGAN ST ST LAMBERT QUE	B SC H EC 1
BAILEY ROBERT ERNST 209 LOGAN ST ST LAMBERT QUE	B ENG EL 3 OR 1 1859
BAILEY ROY MACDONALD 3851 UNIVERSITY ST MTL 3 AUBREY RD LONDON W 8 ENGLAND	B COM 2
BAILIN DOROTHY JOYCE 110 WILLOWDALE AVE OUTREMONT QUE	B SC 2 RE 8 3570
BAILIN FLORENCE 1697 ST LOUIS ST ST LAURENT 9 QUE	M S W 1 RI 7 1609
BAILLIE JOHN FRASER 411 CLARKE AVE WESTMOUNT QUE	B A 3 WE 3 3157
BAILLIE RAYMOND JOSLIN MACDONALD COLLEGE A9 22 SUMMIT CIRCLE WESTMOUNT QUE	H S D DIP 1
BAIN JANE ELIZABETH 536 PINE AVE W APT 2 MONTREAL QUE	MED DIP 2
BAIN STEWART WILLIAM 418 PINE AVE W APT 2 MONTREAL QUE	B ENG EL 4 AV 8 1506
BAINES BEVERLEY 3 KILLARNEY GDNS PTE CLAIRE QUE	B A 3 OX 5 9718
BAIR KEITH E 1201 HOPE AVE APT 310 6 LYNDHURST CRES KINGSTON 5 JAMAICA W I	D D S 3 WE 7 7379
BAIRD IAIN PETER 5573 RANDALL AVE COTE ST LUC QUE	B D 1 HU 1 9653
BAIRD NEIL ALEXANDER 3653 UNIVERSITY ST MTL GAULT HOUSE MT ST HILAIRE QUE	B ENG 2 VI 2 2073
BAIRD NORMAN COLIN 930 47TH AVE LACHINE QUE	B SC 2 ME 7 3466
BAKAR NADIR JAMES 3445 PEEL ST MTL 4 ANDERSON ST ST JAMES PORT OF SPAIN TRINIDAD W I	MD CM 1 VI 5 9462
BAKER ANN LILLIS ROYAL VICTORIA COLLEGE PHILLIPSBURG QUE	B A 3 VI 9 0120

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BAKER BARBARA CATHERINE MACDONALD COLLEGE 11695 O BRIEN BLVD MONTREAL 9 QUE	2 TCHRS 1
BAKER CAROLE ANN 5603 ALPICE AVE COTE ST LUC QUE	3 TCHRS 1 HU 9 4450
BAKER GLADYS ELVA LAIRD HALL BOX 98 118 COLLEGE ST RICHMOND QUE	3 TCHRS 1
BAKER LINDA F 94 BAYVIEW AVE PTE CLAIRE QUE	B SC H EC 3 OX 5 6910
BAKER PHYLLIS HAMMER 5610 SOMERLED AVE APT 103 MTL 58 18TH ST E PRINCE ALBERT SASK	GRAD DIP 1 HU 1 4671
BAKER WILLIAM HARRY 1836 DESMARCHAIS BLVD MONTREAL 20 QUE	B ENG 2 PO 7 3046
BAKER WILLIAM JAMES 3467 SIMPSON ST MTL 1 GRAHAM ST COPPER CLIFF ONT	B ED PED 3
BALASSIANO FERIAL T 626 POWELL AVE MONTREAL 16 QUE	B A 2 RE 7 0363
BALINT KATHLEEN 3260 BARCLAY APT 14 MONTREAL QUE	B SC P OT 2 RE 3 8178
BALL JAMES GIBSON 62 LUCERNE AVE VALOIS QUE	B ENG MCH 3 OX 7 2683
BALL ROBERT FRANK 3503 PARK AVE MTL INWOODS HOUSE INWOODS RUGBY ENGLAND	B SC 2
BALL WESLEY BENJAMIN 3508 UNIVERSITY ST MTL THE PARSONAGE SUTTON QUE	B D 3
BALLACHEY BARBARA ANN ROYAL VICTORIA COLLEGE 11 CARTER AVE NORANDA QUE	B SC 1 VI 9 0030
BALLANTYNE CATHERINE ANN MACDONALD COLLEGE 4528 MAYFAIR AVE MONTREAL 28 QUE	2 TCHRS 1 HU 1 3353
BALLANTYNE FELICITY C 33 FORDEN AVE WESTMOUNT QUE	B A 1 WE 5 3060
BALLANTYNE HUGH 33 FORDEN AVE WESTMOUNT QUE	B A 2 WE 5 3060
BALLANTYNE PETER DONALD 5522 RANDALL AVE COTE ST LUC QUE	B SC 1 HU 4 9295
BALMER JOHN ELLSWORTH 1500 STANLEY ST APT 911 212 FOREST HILL RD TORONTO ONT	B COM 4 VI 9 2995
BALTAKIS BRUNO ALBERT 186 4TH AVE LASALLE QUE	B ENG 1 DO 6 7825
BALTAS LEONIDAS 9905 JEANNE MANCE MONTREAL 12 QUE	PH D 3 DU 7 9750
BAMBIGER EMILY 4482 CIRCLE RD MONTREAL QUE	B A 2 RE 8 7655
BANCROFT FRANCES MASON 1009 SHERBROOKE ST W MTL WOODLEIGH RD DEDHAM MASS USA	B A 3
BAND MELVIN 6146 DUROCHER AVE MONTREAL 8 QUE	B SC 2 CR 6 7578
BANK SYLVIA PEARL 4815 QUEEN MARY RD APT 4 MONTREAL QUE	B A 2 RE 8 7917
BANNERMAN PAUL ROSS 5327 O BRYAN AVE MONTREAL 29 QUE	B SC MDCM 1 HU 4 1462
BANTING JAMES F 95 SOMERSET BAIE D URFE QUE	B SC AGR 1 GL 3 2956
BARAUSKAS A ANTHONY 7440 22ND AVE VILLE ST MICHEL QUE	B C L 2 RA 2 4163
BARBER LYNN AUBREY 855 43RD AVE LACHINE QUE	B SC 2 ME 7 7094
BARBER MARGARET E 3515 PAPINEAU AVE MTL 12 BURPEE ST EDMUNDSTON N B	B L S 1 LA 4 7957
BARBOUR DAVID ALLEN 993 MAC NAUGHTON RD TOWN OF MT ROYAL QUE	B SC 2
BARBOUR PETER GRANVILLE 993 MACNAUGHTON RD TOWN OF MT ROYAL QUE	B ENG 2 RE 7 2852
BARBOUTH RICARDO VICTOR 701 GROSVENOR AVE WSTMT SALTA 336 BUENOS AIRES ARGENTINA	B ENG 1 HU 6 7638
BARCLAY SUSAN LOUISE MACDONALD COLLEGE 92 DUPONT ST CHATEAUGUAY HEIGHTS QUE	B SC AGR 2
BARD MARILYN 5222 KING EDWARD AVE MONTREAL QUE	B A 1 HU 9 6920
BARDANA EMIL 2715 DARLINGTON PL MTL 101 03 39TH AVE CORONA LONG ISLAND 68 NEW YORK N Y USA	MD CM 4
BAREFOOT FRANCES HELEN 518 CASGRAIN AVE ST LAMBERT QUE	PARTIAL
BARIAK SONIA FLORENCE 6928 SHERBROOKE ST W MONTREAL QUE	2 TCHRS 2 HU 8 8626
BARIK HENRI CHARLES 3541 SHUTER ST APT 14 91 PAYSON AVE APT 6F NEW YORK 34 N Y USA	PARTIAL HU 6 4610
BARKER ENID ELIZABETH 203 BALLANTYNE AVE N MONTREAL WEST QUE	B A 1 HU 1 4086
BARKER MARGARET JOAN 1100 MARLBORO DR APT 303 TOWN OF MT ROYAL QUEBEC	B SC P OT 2 RE 9 8606
BARKOVSKY WILLIAM JACOB 3550 LORNE AVE APT 4 MTL 25 VICTORIA ST ST CATHARINES ONT	B ED PED 4
BARLETTI GEORGES H N 1533 MCGREGOR APT 90 BOREEN REID ST EXTENTION HAMILTON BERMUDA	MD CM 3 WE 7 2010
BARNAS BIGI DIALAN KIMIA NO 39 DJAKARTA INDONESIA	GRAD DIP 1
BARNES CHARLES J MACDONALD COLLEGE 91 ST GERMAIN AVE TORONTO 12 ONT	B SC AGR 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BARNES MALCOLM HOWARD 4 BRIARDALE RD HAMPSTEAD QUE	B ENG 1 HU 6 6856
BARNETT ELLEN SIMA 4876 WILSON AVE MONTREAL QUE	2 TCHRS 1 HU 6 4315
BARONE BARTOLO M 3475 RIDGEWOOD AVE APT 206 MONTREAL QUE	MED DIP 1 RE 3 9667
BARR DONALD JOHN S BOX 166 MACDONALD COLLEGE BOX 220 CAYUGA ONT	M SC 1
BARR SPENCER 495 PRINCE ARTHUR ST W APT 25 MTL 69 SHERWOOD AVE TORONTO ONT	D D S 1 VI 4 3139
BARRAN LESLIE ROHIT 34 MAPLE AVE APT 19 STE ANNE DE BELLEVUE QUE	B SC AGR 2 GL 3 6845
BARRIE PATRICIA JEAN LAIRD HALL 395 COLLEGE ST COBOURG ONT	B SC H EC 4 GL 3 1830
BARRIE RONALD J 243 WESTCROFT RD BEACONSFIELD QUE	B ENG CIV 4 OX 5 9619
BARRIE WALLACE ALEXANDER 3581 UNIVERSITY ST MTL 24 DUNBAR AVE CORNWALL ONT	B ENG CIV 5 VI 9 1368
BARRINGTON JAMES DOUGLAS 4440 MONTCLAIR AVE MONTREAL 28 QUE	B COM 1 HU 6 6516
BARRON ARTHUR RANDALL 33 DRAYTON RD PTE CLAIRE QUE	B SC 1 OX 5 2777
BARRON JOHN ROBERT P O BOX 66 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 4
BARRON PHILIP EDWARD 416 LEACROSS AVE TOWN OF MT ROYAL QUE	B ENG 1 RE 9 2131
BARRY BRENDA CAROLINE 755 46TH AVE LACHINE QUE	B SC 1
BARRY GERALD PATRICK 3503 GREY AVE MONTREAL QUE	B C L 1 HU 8 0935
BARRY JOHN DAVID 39 ROSEMOUNT AVE WESTMOUNT QUE	B A 2 WE 5 5152
BARTHA PETER FRANK 3630 DUROCHER ST APT 25 MONTREAL QUE	B A 4 VI 5 6749
BARTNIKAS RAY 272 PINE BEACH DORVAL QUE	M ENG 1 ME 1 8645
BARTOK MARIA 5409 GROVEHILL PL MONTREAL QUE	B A 4 HU 8 6476
BARTON MARJORIE GLENN ROYAL VICTORIA COLLEGE 6218A ARSENAL ST ST LOUIS 39 MO USA	B A 1 VI 9 0993
BARWICK DEANNA LORRAINE STEWART HALL 6497 BANNATYNE AVE VERDUN QUE	2 TCHRS 1
BARWICK PETER EDWARD LACHINE GENERAL HOSP LACHINE 415 EAST 58TH ST NEW YORK N Y USA	MD CM 3 ME 7 1161

NAME ADDRESS	COURSE & YEAR TEL. NO.
BARZA BEVERLEY SOREL 627 CARLETON AVE WESTMOUNT QUE	B A 2 HU 4 8321
BARZA MICHAEL 627 CARLETON AVE WESTMOUNT QUE	MD CM 1 HU 4 8321
BARZELL WINSTON EDWARD 6520 MOUNTAIN SIGHTS MONTREAL QUE	B SC 2 RE 7 4286
BASNAYAKE B K 3519 HUTCHISON ST MTL MAKUDDAK BELIGALA KEGALLA CEYLON	M SC 1
BASTET MICHEL THOMAS 60 52ND AVE LACHINE QUE	B SC 4
BASTIANSEN WILLIAM BJORN 3660 LORNE CRES MTL 5 DELAVAN TERR YONKERS N Y USA	MD CM 1 VI 9 1042
BASTIEN JOSEPH A C M 11551 HEBERT ST MONTREAL NORTH QUE	B ENG EL 3 DA 2 7156
BATALION HYMAN 4932 CARLTON AVE MONTREAL QUE	MD CM 4 RE 3 4184
BATCHELOR GEORGE H 107 NORMANDY DR MONTREAL QUE	MD CM 4 RE 3 5137
BATES CORNELIA M 2077 UNION AVE APT 7 708 WINNIFRED SQ GLACE BAY N S	B SC P OT 3
BATES THOMAS CLINTON 3553 DUROCHER ST APT 406 AV 8 2626 R D NO 1 SCOTIA 2 NEW YORK USA	MD CM 3
BATIST NANCY RUTH 5502 CLANRANALD AVE MONTREAL QUE	B SC 4 RE 3 3268
BATIUK EUGENE ANDREW 6606 21ST AVE MONTREAL 36 QUE	B ENG EL 5 RA 2 9683
BATKY NICHOLAS ANDREW ST LUC ST MONTREAL QUE	B COM 1 WE 2 0429
BAUER NICHOLAS 629 BLOOMFIELD AVE OUTREMONT QUE	B SC 2 CR 4 1718
BAUGNIET PHILLIP HART 5537 COTE DES NEIGES APT 1 MONTREAL QUE	B ED 2 RE 1 0511
BAULCH BARBARA ELIZABETH 2140 HANOVER RD TOWN OF MT ROYAL QUE	B SC 1 RE 7 3797
BAULU PATRICIA 3158 FENDALL ST MONTREAL 26 QUE	B SC 4 RE 8 7284
BAUM ALLAN 4942 JEAN BRILLANT ST MONTREAL 29 QUE	B SC 2 RE 7 8490
BAUM MORRIE 3976 MAPLEWOOD AVE MONTREAL QUE	B SC 2 RE 8 7671
BAUMANN NADIA 5742 17TH AVE MONTREAL 36 QUE	B A 1 RA 1 1965
BAUMGARTEN GEORGE 752A QUERBES AVE OUTREMONT QUE	B ENG EL 4 CR 6 3415
BAUSLAUGH PHILIP GARY 79 SIMCOE AVE TOWN OF MT ROYAL QUE	B SC 4 RE 7 6249
BAVARIA GARY KUMAR 1368 SHERBROOKE ST E MONTREAL QUE	B SC 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BAXTER CYNTHIA BEATRICE 3465 STANLEY ST APT 17 MONTREAL 2 QUE	M A 4 AV 8 3766
BAXTER JAMES WALTER 4526 OXFORD AVE MONTREAL QUE	B SC 2 HU 6 9290
BAYER SOLLY 1360 BERNARD AVE APT 5 OUTREMONT QUE	B ENG 1 CR 6 2144
BAYLEY ANN MARGARET 3566 UNIVERSITY ST APT 1 MONTREAL QUE	B A 2 VI 9 4037
BAYNE CLARENCE SYLVESTER 3515A LORNE AVE MONTREAL QUE	PARTIAL VI 4 7306
BAYNES RICHARD G 3600 LINTON AVE APT 97 BOX 1343 ABBOTSFORD B C	D D S 3 RE 9 9678
BAYRAKAL MUSTAFA SADI 1360 DECARIE BLVD APT 37 ST LAURENT QUE	MED DIP 2 RI 4 3083
BEACH BERTRAM LEE 3684 MCTAVISH ST MTL 2 PLASTER ROCK P O BOX 166 NEW BRUNSWICK	PH D 2 VI 4 6311
BEACH JOHN RICHARD 265 13TH AVE RICHELIEU QUE	B ED 3 UL 8 1630
BEAL ROBERT STEWART 196 CHATEAUGUAY ST HUNTINGDON QUE	S T M 2
BEANE JOEL PHILLIP 4870B HENRI JULIEN AVE MONTREAL QUE	B SC 2 AV 8 9859
BEATON NORMAN JAMES BRITTAIN HALL BOX 1075 SUMMERSIDE P E I	B SC AGR 3
BEATT JAMES GARNET 750 54TH AVE LACHINE QUE	P E DIP 2 ME 7 2750
BEATTIE JANET ROSEMARY 1509 SHERBROOKE ST W APT 56 MTL 14 RICHELIEU RD FORT CHAMBLY QUE	B A 1 WE 2 4609
BEATTY BARBARA ELEANOR 4320 SHERBROOKE ST LACHINE QUE	B SC P OT 1 ME 7 9842
BEATTY ERROL BRUCE MACDONALD COLLEGE 18 WINNIPEG AVE PORT ARTHUR ONT	B ED P ED 2
BEATTY JANE WEIR ROYAL VICTORIA COLLEGE 84 KENILWORTH AVE OTTAWA ONT	B SC P OT 2 VI 2 0571
BEAUBIEN JOSEPH 4749 UPPER ROSLYN MONTREAL QUE	B C L 1 HU 6 1829
BEAUCHAMP ERIC GERALD BOX 138 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 1
BEAUCHAMP JAMES HERBERT 1064 DESMARCHAIS BLVD MONTREAL QUE	B ED 3 PO 7 0201
BEAUCHEMIN MARCEL 5916 ESPLANADE MONTREAL 14 QUE	B ENG MCH 3 CR 1 1465
BEAUDOIN GERARD 3484 DUROCHER APT 407 39 BELLEVUE ST DRUMMONDVILLE QUE	B ENG EL 3

NAME ADDRESS	COURSE & YEAR TEL. NO.
BEAUDRY PIERRE H P O BOX 97 DELORIMIER STN MONTREAL 34 QUE	PH D 2 LA 3 7655
BEAUDRY ROLAND HENRY 6755 21ST AVE APT 7 MONTREAL 36 QUE	M SC 1 RA 9 7844
BEAULIEU ANDREE 5625 GATINEAU APT 5 MONTREAL QUE	B SC 2 RE 7 6833
BEAULIEU JOSEPH ADRIEN C 5814 DUROCHER MONTREAL QUE	B SC 3 CR 9 6655
BEAULIEU RODOLPHE ARTHUR 3010 GOYER ST MTL 249 ST FRANCIS ST EDMUNDSTON N B	MED DIP 4 RE 9 1821
BEAUREGARD LUC 3952 VAN HORNE MONTREAL QUE	B C L 1 RE 1 4338
BECERRA ALEJANDRA 456 PINE AVE W APT 8 MONTREAL QUE	M SC 2 VI 5 6340
BECK ARTHUR ANDREW 572 LANSDOWNE AVE WESTMOUNT QUE	B ENG 1 HU 6 6184
BECK JENNIFER LUCY 572 LANDSOWNE AVE WESTMOUNT QUE	B A 2 HU 6 6184
BECK JOHN MICHAEL 7425 CANORA RD APT 211 MONTREAL 16 QUE	B ENG AM 3 RE 3 7752
BECK MICHAEL ANTHONY P 385 GRENFELL AVE TOWN OF MT ROYAL QUE	B A 2 RE 3 4366
BECK PHILIP RODNEY DOUGLAS HALL 9 ARMOUR BLVD TORONTO ONT	MD CM 1
BECKER ALLAN HAROLD 5395 MACDONALD AVE MONTREAL 29 QUE	B A 1 HU 6 0578
BECKER MERA 13 ST GEORGE ST MTL 4569 JEANNE MANCE ST MONTREAL QUE	3 TCHRS 1
BECKER MIRIAM DONNIE 4931 PONSARD AVE MONTREAL QUE	H S D DIP 1 RE 8 7469
BECKERMANN MICHAEL FRANZ 1517 MCGREGOR ST MTL HAMBURG FU BROMBEERWEG 50 GERMANY	B ENG MCH 5 WE 2 2978
BECKETT MALCOLM EDMUND 541 MAPLE AVE ST LAMBERT QUE	B SC 2 OR 1 6340
BECKETT MICHAEL ERNEST 3466 SHUTER ST APT 306 GOTHIC HOUSE WALTON ON THAMES ENGLAND	B SC 2 VI 5 4095
BECKLES LIVINGSTONE C 4761 BARCLAY AVE APT 6 MONTREAL QUE	B SC 2 RE 9 6060
BEDER DOUGLAS STANLEY 7522 GUELPH RD COTE ST LUC QUE	B SC 4 HU 1 2626
BEDFORD BERNARD 4168 DORCHESTER ST W WESTMOUNT QUE	GRAD QUAL 1 WE 5 8185
BEER MIA 6707 DE VIMY AVE MONTREAL QUE	2 TCHRS 2 RE 9 0134
BEGG SUSAN MANSFIELD 194 MELBOURNE AVE TOWN OF MT ROYAL QUE	B SC 1 RE 8 4947

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
BEGOR ANNE CHARLOTTE 4581 KENSINGTON AVE MONTREAL 28 QUE	HU 6 2352	B A 3
BEGUM NURJAHAN DEPT OF CHEMISTRY MD YUSUP KHAN M A B L 21 GOPI MOHAN BASAK LANE DACCA EAST PAKISTAN	HU 8 2311	M SC 1
BEINHAKER EZRA JACK 4895 FULTON ST MONTREAL QUE	RE 7 3308	B COM 2
BEINHAKER PHILIP HOWARD 4560 CIRCLE RD MONTREAL QUE	RE 7 1050	B ARCH 3
BEIQUE JEAN FRECHETTE 1429 STANLEY ST APT 8 965 ST LOUIS RD QUEBEC QUE	VI 4 8030	B ENG 1
BEITCHMAN JOSEPH HENRY 635 ABBOTT ST LAURENT QUE	RI 4 0206	B ENG 1
BEITEL ARTHUR 5839 DECARIE BLVD MONTREAL QUE	RE 3 0028	B ARCH 3
BELANGER BENOIT J H 1290 PINE AVE W MTL 953 MADELEINE DE VERCHERES QUEBEC QUE	VI 2 5377	PARTIAL
BELANGER CLAUDETTE 710 WESTCHESTER DR BAIE D URFE QUE	GL 3 8667	2 TCHRS 2
BELANGER JEAN 1010 CHURCHILL MONTREAL 16 QUE	RE 7 6872	B C L 1
BELANGER OLIVIER FRANCOIS 2300 MADISON MONTREAL QUE		B C L 4
BELANGER ROBERT JEAN P 6979 CHRISTOPHE COLOMB MONTREAL QUE	CR 6 4429	B ENG 2
BELBIN MARY EILEEN ROYAL VICTORIA COLLEGE 342 10TH ST SHAWINIGAN QUE	VI 2 0334	B ED 3
BELCH NATALIE 1433 BISHOP ST APT 8 MTL R R 3 MILLBROOK ONT		B SC N 1
BELCOURT SUSAN ANNE ROYAL VICTORIA COLLEGE 125 WILLINGDON RD ROCKCLIFFE PARK OTTAWA ONT	VI 2 0526	B A 4
BELENKIE ISRAEL RUBIN 5380 JEANNE MANCE ST MONTREAL QUE	CR 1 6009	B SC 2
BELGRAVE DORINE A MACDONALD COLLEGE 137 BELMONT CIRCUL RD PORT OF SPAIN TRINIDAD W I		B SC H EC 3
BELINSKY MORTON MORRIS 1120 LAJOIE OUTREMONT QUE	CR 9 0690	GRAD QUAL 1
BELITSKY PHILIP 4950 PLAMONDON AVE MONTREAL QUE	RE 8 7442	MD CM 2
BELL JOEL IAN 233 SHERATON DR MONTREAL WEST QUE	HU 4 9782	B A 3
BELL SHEILA LOIS 4615 DRAPER AVE MONTREAL QUE	HU 6 9354	B SC P OT 1
BELL THOMAS EDWARD J 56 CORNWALL AVE MONTREAL 16 QUE	RE 8 0681	B ENG 1
BELL THOMAS STEWART 7 MORRISON AVE TOWN OF MT ROYAL QUE	RE 8 0255	B SC 3
BELL WALTER GRAEME 521 PRINCE ARTHUR ST W APT 7 MTL 3 SOUTHLEIGH AVE COVENTRY WARWICKS ENGLAND	VI 9 0170	B A 3
BELLAM ARLENE SUSAN 5190 GRAND BLVD MONTREAL QUE	HU 6 4418	2 TCHRS 1
BELLEFLEUR MICHEL 1440 BERNARD AVE W APT 64 OUTREMONT QUE	CR 2 2158	B ENG 1
BELLEMARE HERMENGILDE K 47 TUNSTALL AVE SENNEVILLE QUE 885 CHARLEVOIX ST MONTREAL 22 QUE		P E DIP 1
BENARD DE BAST JEAN L H 500 WOOD MONTREAL QUE	WE 2 5337	B ENG EL 3
BEND MEIR 3420 PEEL ST MONTREAL QUE	VI 2 0343	GRAD QUAL 1
BENIERAKIS CONSTANTINE DOCTORS RESIDENCE MTL GENERAL HOSPITAL MONTREAL QUE	WE 7 6011	MED DIP 1
BENITAH JEAN CLAUDE 640 BLOOMFIELD AVE OUTREMONT QUE	CR 7 0313	B ENG 2
BENJAMIN AUDREY MADELINE 175 52TH AVE LACHINE QUE	ME 7 3378	3 TCHRS 1
BENJAMIN DANIEL HENRY 5057 BORDEN AVE MONTREAL 29 QUE	HU 1 9180	B SC 2
BENJAMIN FRANCES 380 EDWARD CHARLES APT 1 MONTREAL QUE	CR 1 7562	B A 3
BENMOUYAL RAYMONDE 1912 LAURIER AVE E MONTREAL QUE	LA 3 0509	PARTIAL
BENNETT ANN ELIZABETH 4304 MONTROSE AVE WESTMOUNT QUE	WE 7 1325	B SC 3
BENNETT LINDA MAE MACDONALD COLLEGE 397 NELSON ST SUDBURY ONT		2 TCHRS 1
BENNETT ROBERT THOMAS S 115 WICKSTEED AVE MONTREAL 16 QUE	RE 8 7810	B SC 1
BENNETTS RICHARD JAMES 22 DECASSON RD WESTMOUNT QUE	WE 3 3936	B C L 3
BENOIT JOHN EUGENE JR 28 TULIP AVE DORVAL QUE	ME 1 6174	B ENG EL 4
BENSON LEONARD HELMAN 6666 FIELDING AVE MTL 10 KENILWORTH TERR GREAT NECK N Y USA	HU 4 8705	D D S 2
BENTAL ODED 5590 VICTORIA AVE MTL SHANAN ST 10 RAMAT GAN ISRAEL	RE 3 6923	B ENG MCH 4
BENTKOWSKI RAYMOND J 520 MARLATT ST ST LAURENT QUE	RI 4 3635	B SC 4
BENTLEY KENNETH C 586 SMART AVE MONTREAL 29 QUE	HU 9 1689	MD CM 3

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Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
BER ABRAM 595 BLOOMFIELD APT 19 OUTREMONT QUE	B SC 3 CR 6 1693
BERCEL EUGENE 2039 MCGILL COLLEGE AVE MONTREAL QUE	B ENG MCH 3 AV 8 7337
BERCOVITCH DAVID LEANORD 5020 GROSVENOR AVE MONTREAL QUE	B ENG EL 5 RE 9 4054
BERENSTEIN TEDDY STEPHEN 704 MCEACHRAN AVE MONTREAL 8 QUE	B ENG 1 CR 7 8327
BERENYI YULIKA 4961 BARCLAY AVE MONTREAL 29 QUE	B A 4 RE 1 5594
BERES JUDITH ORAH 4501 DECARIE BLVD MONTREAL 29 QUE	PARTIAL HU 8 5696
BERESFORD DAVID JONATHAN DOUGLAS HALL DELANSON NEW YORK USA	B SC 1
BEREZNYCKY ALEXANDRA F 5453 15TH AVE MONTREAL 36 QUE	B A 3 RA 1 3180
BERGER JASON MILTON 3641 OXENDEN AVE MTL 724 MORTON ST DORCHESTER MASS USA	B A 3 VI 5 7893
BERGER PAULA MAE 4845 ROSLYN AVE MONTREAL QUE	B SC 2 RE 7 5328
BERGER RONALD LEON 925 WILDER AVE OUTREMONT QUE	B A 1 CR 9 2695
BERGER STANLEY 6100 WILDERTON AVE APT 14 MONTREAL QUE	B A 1 RE 8 4653
BERGLAS HELEN EVELYN 2740 DARLINGTON PL APT 33 MONTREAL QUE	B SC 1 RE 1 1387
BERGMAN RALPH 737 ROCKLAND AVE OUTREMONT QUE	B ARCH 2 CR 1 5041
BERHANE TAFARI 3515 UNIVERSITY APT 2 BOX 399 U C A A ADDIS ABABA ETHIOPIA	B C L 2 AV 8 1966
BERKE CARL STEPHEN 5541 BRADFORD PL MONTREAL 26 QUE	B SC 4 RE 7 2241
BERKES THOMAS JOHN 5237 PARK AVE APT 5 MONTREAL QUE	B ARCH 5 CR 1 7989
BERKOFSKY LORNA LOUISE LAIRD HALL 1999 EMMANUEL ST ST MARTIN QUE	B SC H EC 4 GL 3 1830
BERKOWICH DOROTHY 4888 HUTCHISON ST MONTREAL QUE	3 TCHRS 1 CR 9 9723
BERLIN IRMA BARBARA 2162 NANTEL ST ST LAURENT QUE	PARTIAL RI 8 7190
BERLINER SUZANNE ROYAL VICTORIA COLLEGE 180 MARLBOROUGH AVE OTTAWA ONT	B A 1 VI 9 0030
BERMAN ALFRED 6580 MOUNTAIN SIGHTS MONTREAL QUE	B SC MDCM 1 RE 7 5187
BERMAN VICTOR AVRAM 8670 OUTREMONT AVE MONTREAL QUE	B SC 1 CR 1 4519
BERMINGHAM MICHAEL J F 2575 CONTRECOEUR MONTREAL QUE	B ENG 2 CL 5 2271
BERNARD ANDRE CULLEN 5625 DECELLES ST MTL CARLETON S MER CT BONAVENTURE QUE	GRAD QUAL 1 RE 8 1165
BERNARD CHARLES KEITH 649 MILTON ST MTL 59 CIRCLE RD TOWN OF LAVAL ISLANDS QUEBEC	B ENG MCH 5 VI 5 0734
BERNARD EARL STAFFORD 3466 SHUTER ST APT 108 8 TEXT LANE KINGSTON JAMAICA W I	D D S 1 VI 4 3866
BERNARD LOUIS ANDRE MACDONALD COLLEGE 382 ST VIATEUR GRANBY QUE	B SC AGR 3
BERNARD MAX RALPH 618 SMART AVE COTE ST LUC QUE	B SC 1 HU 4 4812
BERNARDIN SUZANNE LOUISE 23 SPRINGGROVE CRES OUTREMONT QUE	B A 2 CR 1 3345
BERNICK DIANE VICTORIA ROYAL VICTORIA COLLEGE 29 COMMERCIAL ST GLACE BAY N S	B SC 4 VI 2 0477
BERNSTEIN AARON D 6275 NORTHCREST PL APT 721 MONTREAL 8 QUE	MD CM 4 RE 8 2550
BERNSTEIN BRAM HENRY 5180 HAMPTON AVE MONTREAL QUE	MD CM 1 HU 6 8189
BERNSTEIN FREDERICK 1562 LAJOIE AVE OUTREMONT QUE	B ENG 1 CR 1 8211
BERNSTEIN JERROLD 206 WILLOWDALE AVE MONTREAL 26 QUE	MD CM 2 RE 8 1556
BERNSTEIN MYRNA LINDA 5562 ALPINE AVE COTE ST LUC QUE	3 TCHRS 1 HU 4 0224
BERNSTEIN SYLVIA 5885 DUROCHER AVE MONTREAL QUE	B A 2 CR 6 0630
BERRILL ELSILYN JANE 3521 UNIVERSITY ST MONTREAL QUE	B SC P OT 3 VI 5 6933
BERRILL JOHN MICHAEL 3521 UNIVERSITY ST MONTREAL QUE	B SC 1 VI 5 6933
BERRY CAMERON GEORGE 4625 DRAPER AVE MONTREAL QUE	B SC 4 HU 6 3575
BERRY LEONARD MICHAEL 3605 UNIVERSITY ST MTL 412 BROOKDALE AVE TORONTO ONT	B COM 4 AV 8 0643
BERTALOT RENZO 6331 GARNIER ST MONTREAL 35 QUE	PH D 3 CR 4 4058
BERTHIAUME PAUL 4065 MARCIL MONTREAL 28 QUE	B SC 3 HU 4 5727
BERTHIAUME PAULINE G R 7740 AVE DU MAIL VILLE D ANJOU QUE	B SC 1 CL 6 4520
BERTOK ENDRE IMRE P O BOX 149 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 3 GL 3 4407

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BERTRAM ELIZABETH A MACDONALD COLLEGE 31 VICTORIA ST DUNDAS ONT	B ED P ED 1
BERTRAND CLAUDE MARIE MACDONALD COLLEGE PHILLIPSBURG QUE	B SC AGR 2
BERTRAND DEAN MICHAEL 71 FIFTH AVE PTE CLAIRE QUE	B ENG 1 OX 5 5102
BERTRAND JOSEPH GABRIEL L 4027 MARCIL AVE MONTREAL 28 QUE	B C L 4 HU 1 7585
BERTRAND TRENT JOHN 71 FIFTH AVE PTE CLAIRE QUE	B A 1 OX 5 5102
BERWICK JAMES MCKAY 528 ARGYLE AVE WESTMOUNT QUE	B ENG CH 3 WE 5 2858
BERZINS ILZE 6743 COTE ST LUC RD APT 3 MONTREAL QUE	B A 2 HU 1 5920
BEST KATHRYN CECILE 3708 PEEL ST MTL 3 LOGAN AVE APT 6 ST LAMBERT QUE	B N 2 VI 2 1251
BEVINGTON BERYL MURIEL STEWART HALL 12706 108TH AVE EDMONTON ALTA	B SC H EC 3 GL 3 1959
BEVINGTON DAVID RONALD H 546 MILTON ST APT 2 C O E R BEVINGTON C O THE SECRETARIAT SUVA FIJI	B SC 3 VI 2 5936
BEWS MARY ELLEN 41 TUNSTALL AVE SENNEVILLE QUE	H S D DIP 1 GL 3 4411
BEYER WERNER HANS 3280 GOYER ST MTL LANCASTER RD WHITEFIELD N H USA	B SC 4 RE 9 9715
BHARGAVA SUBHAS 1441 DRUMMOND ST MTL 613 PESCOD AVE CORNWALL ONT	B ENG MCH 5 VI 9 4171
BHATIA AVTAR SINGH 3609 UNIVERSITY ST MTL C O J S BHATIA & CO MILLER GANJ LUDHIANA INDIA	PH D 2 AV 8 6307
BHIWANDKER NUTAN C KSHATRIYA NIWAS RD GIRGAUM BOMBAY 4 INDIA	PH D 2
BIBERMAN BARRY 2296 FULTON RD MONTREAL 16 QUE	B C L 2 RE 8 4608
BIBLE KATHERINE 758 SHERBROOKE ST W APT 11 MONTREAL 2 QUE	B A 3 VI 9 5445
BICK JOAN STEPHANIE MACDONALD COLLEGE 4993 JEAN BRILLANT AVE MONTREAL 29 QUE	3 TCHRS 1
BIDA LARISSA 1172 MACKAY APT 88 MONTREAL QUE	PARTIAL WE 3 3233
BIDDLE JOHN SIMPSON 7478 OUTREMONT AVE MONTREAL 15 QUE	B ENG EL 4 CR 9 2431
BIDNER SIFIA E R STOCKFARM MACDONALD COLLEGE STE AANE DE BELLEVUE QUE	B ED 2 GL 3 5951

NAME ADDRESS	COURSE & YEAR TEL. NO.
BIELER MARC CHARLES A DOUGLAS HALL 2151 BRULART AVE QUEBEC 6 QUE	B A 1 VI 5 1600
BIER LEON 6053 WILDERTON CRES MONTREAL QUE	B ENG MCH 3 RE 8 7259
BIER PHYLLIS 6053 WILDERTON CRES MONTREAL QUE	3 TCHRS 1 RE 8 7259
BIERBRIER BENNY 8031 GUELPH RD COTE ST LUC QUE	B SC 4 HU 8 4526
BIERBRIER EDWARD GERALD 931 DUNLOP AVE MONTREAL QUE	B COM 3 RE 7 1381
BIERBRIER PEARL ESTELLE 5778 PALMER AVE COTE ST LUC QUE	GRAD DIP 2 HU 8 3375
BIERMAN CLAUDIA J 591 POWELL AVE TOWN OF MT ROYAL QUE	B SC 2 RE 7 0843
BIERMAN ERIC 591 POWELL AVE TOWN OF MT ROYAL QUE	B ENG PHY 4
BIGELOW BERNICE ANN C MAPLE AVE APTS 2 APT B STE ANNE DE BELLEVUE QUE CALUMET QUE	P E DIP 1
BIGGAR JOAN EVA JANET 225 WESTMINSTER AVE MONTREAL WEST QUE	B A 4 HU 1 6880
BIGGS MARJORIE AGATHA 3631 LORNE CRESCENT 18 MELBOURNE RD KINGSTON JAMAICA B W I	B A 2
BIGNEY CHARLES JOHN 1224 BISHOP ST MTL GLEN EWEN SASK	B SC 2
BIKADOROFF NATASHA 3472 SHUTER ST APT 3 MONTREAL 18 QUE	B SC 3 VI 2 3049
BILEFSKY RALPH 4692 MAPLEWOOD AVE MONTREAL QUE	MD CM 4 RE 7 8050
BILINSKI GARY 454 BALL AVE MONTREAL QUE	B ENG 1 CR 1 9775
BILODEAU FERNAND 2940 BARCLAY AVE APT D MONTREAL 26 QUE	PH D 3
BILODEAU RONALD R 3466 MCTAVISH ST MTL 95 WAVERLY ST PROVIDENCE 7 R I USA	MD CM 4 AV 8 9533
BINEK SYLVESTER J 2107 MARLOWE AVE MONTREAL QUE	B ENG MCH 4 HU 8 0866
BING RONALD MYRON 2220 FULTON RD TOWN OF MT ROYAL QUE	B ENG 2 RE 8 8118
BINMORE DAVID ALEXANDER 500 PRINCE ALBERT AVE WESTMOUNT QUE	B ENG CH 3 HU 4 5220
BINNEY JOHN CODMAN 570 MILTON ST APT 16 MONTREAL QUE	MD CM 1 VI 5 9547
BIRBARA CHARLES ALLEN 3851 UNIVERSITY ST MTL 115 ORIENT ST WORCESTER MASS USA	MD CM 3
BIRCH DONNA G G 2947 BRIGHTON AVE MONTREAL 26 QUE	B SC H EC 4 RE 7 0632

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BIRCH ZEVERTA DOCENA D DOUGLAS HALL DALKEITH ST MICHAEL BARBADOS	B SC 1
BIRCHENOUGH ARTHUR JAMES 5733 DES ERABLES AVE MONTREAL 36 QUE	B ENG EL 5 CR 6 8801
BIRCHENOUGH CAROLE ANNE 5733 DES ERABLES ST MONTREAL 36 QUE	2 TCHRS 1 CR 6 8801
BIRKS ROBERT W M 15 KILBURN CRES MONTREAL 29 QUE	B A 3 HU 1 4552
BIRKS SALLY ANN 60 ST SULPICE RD WESTMOUNT QUE	B A 1 HU 1 3621
BIRN KAROL JACOB 3141 MAPLEWOOD AVE APT 4 MONTREAL 26 QUE	PH D 2 RE 7 9423
BIRNBAUM LEANOR NOLA 4863 FULTON AVE MONTREAL QUE	B SC 2 RE 7 4054
BIRNBAUM ROBERT 2475 VAN HORNE AVE APT 9 MONTREAL QUE	B ENG EL 3 RE 7 9482
BIRNIE WILLIAM A 14878 MAURICE AVE PIERREFONDS QUE	B SC 1 NA 6 4036
BIRNZWEIG OLGA 4966 JEAN BRILLANT AVE MONTREAL QUE	M S W 2 RE 1 0833
BIRTLES BARBARA JOAN STEWART HALL 5400 BANNATYNE AVE VERDUN QUE	B ED 2
BISAILLION WAYNE ALLAN 6770 COTE ST LUC RD APT 9 MONTREAL 29 QUE	B C L 1 HU 9 0851
BISCONTI ANN 3455 STANLEY ST MONTREAL QUE	B A 3
BISHARA EDWARD 5810 WILDERTON AVE MONTREAL 26 QUE	B SC 4 RE 3 5651
BISHOP DON LEWIS 3600 ST FAMILLE ST MTL 36 CHURCHILL AVE PALO ALTO CALIF USA	MD CM 2 VI 4 5840
BISHOP MICHAEL BRENDON H 467 VICTORIA AVE WESTMOUNT QUE 90 REYNOLDS DR BROCKVILLE ONT	B SC 2 WE 7 2139
BISMUTH YETTE H 1582A DUCHARME AVE OUTREMONT QUE	B SC 1 CR 3 1920
BISSON ELIZABETH MACDONALD COLLEGE PORT DANIEL WEST QUE	2 TCHRS 1
BISSONNETTE JOHN MAURICE 841 CALEDONIA RD TOWN OF MT ROYAL QUE	MD CM 1 RE 9 2492
BITTAR NEVILLE 3583 UNIVERSITY ST MTL P O BOX 1791 BEIRUT LEBANON	MD CM 4 VI 9 9917
BLACHFORD JOHN 517 ROSLYN AVE MONTREAL QUE	PH D 2 WE 7 1908
BLACK DOUGLAS EDGAR A 1441 DRUMMOND ST MTL 2348 OSLER ST REGINA SASK	D D S 2 VI 9 4171
BLACK EVAN GLENHOLME 243 KENSINGTON AVE WESTMOUNT QUE	B SC 2 WE 7 2436
BLACK EVELYN JANE ROYAL VICTORIA COLLEGE WHITE SANDS RD PAGET BERMUDA	B SC 2
BLACK GEOFFREY LAURENCE 6 HUDSON AVE APT 3 TOWN OF MT ROYAL QUE	B C L 1 RE 7 4300
BLACK MARTIN JACOB 4838 MELROSE AVE MONTREAL 28 QUE	B SC 2 HU 4 7342
BLACK RICHARD NEIL 78 BRENTWOOD RD BEACONSFIELD QUE	2 TCHRS 2 OX 5 9855
BLACK WARREN ALAN 4568 ROYAL AVE MONTREAL QUE	B A 3 HU 4 2534
BLACKBURN DOROTHY E ROYAL VICTORIA COLLEGE POLTIMORE QUE	B ED 3 VI 2 0847
BLACKIE MARILYN C MCLENNAN HALL 28 HILLCREST DR LANCASTER N B	B SC P OT 3 VI 2 0044
BLACKMAN DOREEN 1125 MARLBORO DR APT 204 TOWN OF MT ROYAL QUE	B A 4 RE 3 2498
BLAIN ADELLA MARGARET ROYAL VICTORIA COLLEGE 130 PARK PL SAULT STE MARIE MICH USA	B A 3 VI 4 0426
BLAIR ALAN DAVID 30 PARKDALE AVE VALOIS QUE	B ENG 2 OX 5 4564
BLAIR JOHN ANTHONY 3429 DRUMMOND ST MTL 72 KENILWORTH ST OTTAWA 3 ONT	B A 3 VI 5 1968
BLAIR ROBERT 6765 ST VALLIER ST MONTREAL 10 QUE	S T M 2 CR 2 7787
BLAIS JOSEPH J PIERRE 4846 ST LAWRENCE MONTREAL QUE	B SC 3 VI 9 3313
BLAIS MARIE SUZANNE 550 MILTON ST MTL 860 DES JESUITES QUEBEC 6 QUE	M A 1
BLAJCHMAN HYMAN JULIUS 5251 VICTORIA AVE APT 4 MONTREAL 26 QUE	M ENG 1 RE 3 9497
BLAJCHMAN MORRIS AARON 5251 VICTORIA AVE APT 4 MONTREAL QUE	MD CM 1 RE 3 9497
BLAKE GEORGE PATRICK HUME 1465 POIRIER ST APT 6 ST LAURENT QUE	L MUS 2 RI 4 6050
BLAKE ROBERT LLOYD GEORGE 279 6TH AVE ST EUSTACHE SUR LE LAC QUEBEC	B ENG MI 5
BLAKER RODERICK BRYAN 479A PRINCE ARTHUR W 5365 MONKLAND AVE MONTREAL QUE	B C L 3 VI 9 7131
BLANAR JAROSLAVA JANE V 2982 SOISSONS AVE MONTREAL 26 QUE	B A 2 RE 3 4467
BLANAR PETER ALFRED 2982 SOISSONS AVE MONTREAL 26 QUE	B A 2 RE 3 4467
BLANCHARD BARBARA JOANNE 4350 PRINCE OF WALES AVE MONTREAL 28 QUE	B SC 3 HU 1 9413

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BLANCHARD PATRICIA L 3480 ONTARIO AVE MTL 632 PORTSMOUTH AVE KINGSTON ONT	B SC P OT 3 VI 2 0044
BLANK ARTHUR MELVYN 5637 WAVERLEY ST MONTREAL 25 QUE	B SC 2 CR 9 6580
BLANSHAY LIONEL JUDAH 4946 GROSVENOR AVE MONTREAL QUE	B A 4 HU 1 9476
BLANSHAY SIDNEY 2631 SOISSONS AVE MONTREAL QUE	B SC 1 RE 8 7163
BLATNICKY MILES STEVEN 1620 CARDINAL ST ST LAURENT QUE	B ENG 2 RI 4 5036
BLATT RICHARD ALLAN 5440 LEGARE MONTREAL QUE	B A 1 RE 8 8270
BLATT SAMUEL 4965 COTE ST CATHERINE APT 15 MONTREAL 29 QUE	B ENG EL 5 RE 3 4547
BLAU MICHAEL ALLAN 5551 GLENCREST AVE COTE ST LUC QUE	B SC 1 HU 8 6320
BLAUER JUDITH LINDA 5723 QUEEN MARY RD MONTREAL QUE	B A 1 HU 1 2466
BLAUER MARVIN 5214 MOUNTAIN SIGHTS AVE MONTREAL QUE	B COM 2 HU 6 7654
BLAUSTEIN LILIANE ARLETTE 2297 GOYER MONTREAL QUE	B SC 2 RE 7 5831
BLAYLOCK SUSAN JENNIFER NIOUTEE MONK ILE BIZARD QUE	B A 4 NA 6 3396
BLED CYNTHIA EILEEN 3457 SHUTER ST MTL 11 CONNOLEY AVE KINGSTON JAMAICA W I	B L S 1 AV 8 9763
BLEICHERT ALFRED MAX 1441 DRUMMOND ST MTL R R 1 LAPRAIRIE QUE	B SC 4 VI 9 8331
BLENKINSOP LAUREL ANN ROYAL VICTORIA COLLEGE 7 CECIL CRES REGINA SASK	B A 2 VI 2 0576
BLENNERHASSETT MARMADUKE 3500 SHUTER ST APT 5 MTL 28 BEAUFORT GARDENS LONDON S W 3 ENGLAND	B SC 1 VI 5 3926
BLEVINS MARGARET JOAN 4552 CORONATION AVE MONTREAL 28 QUE	B A 3 HU 4 0479
BLICKER STANLEY S 6211 LENNOX AVE APT 01 MONTREAL QUE	MD CM 2 RE 9 8922
BLINDER SERGE MARTIN 5329 DECARIE BLVD APT 2 MONTREAL QUE	B ENG PHY 3 HU 1 3939
BLISS TIMOTHY VIVIAN P 3851 UNIVERSITY ST MTL 18 RICHELIEU PL MONTREAL 2 QUE	B SC 3 VI 4 0977
BLITT RITA 5380 BRODEUR AVE MONTREAL 28 QUE	B A 4 HU 4 9550
BLITT THEODORE TEDDY 5380 BRODEUR AVE MONTREAL QUE	B SC 1 HU 4 9550
BLIZZARD ALAN CYRIL 266 GREENFIELD AVE GREENFIELD PARK QUE	B SC 3 OR 1 2035
BLOCK IRWIN 2025 BARCLAY AVE MONTREAL QUE	B ENG 1 RE 8 1351
BLOCK JOAN H 652 GROSVENOR AVE MONTREAL QUE	B A 1 HU 1 3870
BLOIS CAROLYN MACDONALD COLLEGE 19 BABY POINT RD TORONTO ONT	2 TCHRS 1
BLOND JOYCE 2168 SHERBROOKE ST W APT 7 MONTREAL QUE	B C L 3 WE 7 2029
BLONDIN LOUIS PAUL 3445 PAPINEAU ST APT 4 NICOLET QUE	B ENG 2 LA 2 3350
BLONDO NANCY JANE 3467 SIMPSON MTL 124 SOUTH MAIN ST ST ALBANS VT USA	GRAD DIP 1 WE 3 0296
BLOOM CAROL DIANE 94 SUNNYSIDE AVE WESTMOUNT QUE	B A 1 HU 6 1795
BLOOM PHYLLIS 160 MAPLEWOOD AVE MONTREAL 8 QUE	B SC MDCM 1 CR 4 9201
BLOOM THOMAS 5176 BOURRET AVE MONTREAL QUE	B SC 3 RE 8 1366
BLOOMBERG ANNE MACDONALD COLLEGE 70 SUMMIT CRES WESTMOUNT QUE	B A 1 HU 9 2851
BLOOME FRANCINE 464 GLENGARRY AVE TOWN OF MT ROYAL QUE	2 TCHRS 2 RE 7 8150
BLOOME MARLENE JUDITH 464 GLENGARRY AVE TOWN OF MT ROYAL QUE	B A 1 RE 7 9592
BLOOMFIELD DAVID AARON 768 PRATT OUTREMONT QUE	B ENG CH 5 RE 8 9064
BLOOMFIELD LINDA JOAN ROYAL VICTORIA COLLEGE 464 MAYFAIR AVE OTTAWA ONT	B A 2 VI 2 0847
BLOOMFIELD RHONA SHARON 768 PRATT AVE OUTREMONT QUE	B A 2 RE 8 9064
BLOUIN PATRICK ANDRE M 420 COTE ST ANTOINE WESTMOUNT QUE	B ARCH 3 WE 5 9015
BLUM SAUL CHARLES 4657 ESPLANADE AVE MONTREAL QUE	PH D 4 VI 4 8791
BLUM STANLEY 2077 GOYER ST MONTREAL 26 QUE	B SC 1 RE 3 8617
BLUME WARREN T 2065 CHOMEDEY ST MONTREAL QUE	MD CM 3
BLUMENSTEIN LEONARD M 4815 QUEEN MARY RD MONTREAL QUE	B A 3 RE 7 2233
BLUMENTHAL MARTIN CHARLES 5780 GLENARDEN AVE COTE ST LUC QUE	B ENG 1 HU 6 0908
BLUMER HERBERT MARTIN 6607 COTE ST LUC RD APT 104 MONTREAL QUE	M SC 2 HU 9 8886
BLUMER JOSEPH SEYMOUR 5053 PONSARD AVE MONTREAL 29 QUE	B C L 3 HU 1 5538

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BLUMER RONALD HOWARD 5053 PONSARD AVE MONTREAL QUE	B SC 1 HU 1 5538
BLUNDELL ANNE CAROL 5717 N D G AVE MONTREAL QUE	B A 2 HU 1 4575
BLUNDELL JOAN THERESA M 5717 N D G AVE MONTREAL QUE	B COM 4 HU 1 4575
BLUNT PETER REXFORD MACDONALD COLLEGE 40 DUFFERIN RD MONTREAL 29 QUE	H S D DIP 1
BLUSTEIN JOSEPH E 4450 BEACONSFIELD AVE MONTREAL 28 QUE	MD CM 4 HU 4 1940
BOAKE JAMES WILFRID 382 ROSLYN AVE WESTMOUNT QUE	B A 4 WE 3 7116
BOAKE MARGARET CAROLYN 382 ROSLYN AVE WESTMOUNT QUE	B A 1 WE 3 7116
BOARD HOWARD ERNEST 165 THIRD ST GREENFIELD PARK QUE	B COM 1 OR 1 1326
BOARD WENDA FLORENCE 168 THIRD ST GREENFIELD PARK QUE	B ED 2
BOBALJIK JOHN 3455 HUTCHISON APT 507 11917 TECUMSEH RD TECUMSEH ONT	B ENG 2
BOBKOWICZ ANDREW JOHN 364 REDFERN AVE MONTREAL 6 QUE	PH D 3 WE 5 3443
BOBKOWICZ MARGARET MARY 364 REDFERN AVE WESTMOUNT QUE	B A 1 WE 5 3443
BODANESS RICHARD STEVEN WILSON HALL 198 VICTORY BLVD STATEN ISLAND 1 NEW YORK USA	B SC 2
BOEKO JACK LEWIS 4780 CARLTON APT 36 MONTREAL QUE	M S W 2 RE 9 3905
BOERSMA GUDRAN 2051 DORCHESTER ST W APT 3 MONTREAL QUE	M S W 2 WE 3 5966
BOGANTE MARTIN DONALD 4252 HINGSTON AVE MONTREAL QUE	B C L 2 HU 4 5601
BOGDANOFF DAVID WELLS 33 NORMANDY RD BAIE D URFEE QUE	B ENG MEC 3 GL 3 8464
BOGGS BRENDA MARGARET 566 CLAREMONT AVE MONTREAL QUE	B ED 3 HU 6 3600
BOGIE CHARLES WAYNE BRITTAIN HALL R R 1 MELBOURNE QUE	AGR DIP 2
BOGO NORMAN HARVEY 7508 QUERBES AVE OUTREMONT QUE	B SC 4 CR 7 0042
BOGOCH RONALD 5601 CLANRANALD AVE MONTREAL QUE	B SC 2 RE 7 7421
BOGUE JOHN E DOUGLAS HALL 55 MCKAY ST OTTAWA ONT	B COM 3
BOGVSZEWSKI STANISLAW T C O MRS NILSKI 35 COTE ST ANTOINE RD WESTMOUNT QUE	PH D 1 WE 2 5661

NAME ADDRESS	COURSE & YEAR TEL. NO.
BOHM FRANK ALFRED 60 STRATHMORE BLVD DORVAL QUE	B ENG MCH 3 ME 1 6607
BOHM JANE 5 WERDALE PK MTL 1826 SHERBROOKE ST W APT 304 MONTREAL QUE	PARTIAL WE 7 9581
BOHME DIETHARD KURT 35 FRANKLIN AVE TOWN OF MT ROYAL QUE	B SC 3 RE 3 2632
BOHME EKKEHARD H W 35 FRANKLIN MONTREAL 16 QUE	B SC 4
BOHME REINHARD DIETMAR 35 FRANKLIN AVE TOWN OF MT ROYAL QUE	PH D 2 RE 3 2632
BOIDMAN JACK BERNARD 6205 FIELDING AVE MONTREAL QUE	B COM 3 HU 9 5031
BOIDMAN NATHAN 5255 WESTBURY AVE MONTREAL QUE	B COM 3 RE 7 4003
BOISVERT CLAUDE 3851 UNIVERSITY ST MTL 125 TREMOY NORANDA QUE	B C L 2 VI 4 7588
BOISVERT MARCEL 792A COTE ST CATHERINE OUTREMONT QUE	MD CM 4 RE 9 0326
BOIVIN GILLES A R 3546 EVELYN ST VERDUN QUE	B ARCH 3 PO 8 7971
BOKIJ ALEXANDER 6750 36TH AVE MONTREAL 36 QUE	B SC 3 RA 8 5372
BOLAND CLIFFORD K BRITTAIN HALL P O BOX 751 BEAUHARNOIS QUE	2 TCHRS 2
BOLDON BERTRAM THOMAS 3539 LORNE AVE APT 6 86 NELSON ST PORT OF SPAIN TRINIDAD T W I	B A 3 VI 2 0476
BOLDUC DENIS MICHEL 809 GILFORD ST MONTREAL QUE	B ENG EL 3 LA 3 7146
BOLE BARBARA LYNNE 624 48TH AVE LACHINE QUE	2 TCHRS 2 ME 7 0554
BOLOTEN SIDNEY MARVIN 5308 WESTMORE MONTREAL QUE	B SC 3 HU 9 8152
BOMBACI ELIZABETH 3500 MOUNTAIN ST APT 41 230 MAIN ST MEDFORD 55 MASS USA	GRAD QUAL 1 VI 5 3553
BONACORSI ANTHONY O 1581 MCGREGOR ST MTL 9 CHERRY ST BARRE VERMONT USA	D D S 2 WE 3 0803
BONATHAN KATHERINE CICELY 134 ST CHARLES ST W LONGUEUIL QUE	B A 1 OR 4 6618
BOND IAN ROBIN STANLEY 2165 LINCOLN AVE APT 17 NORTON MANOR SUTTON SCOTNEY WINCHESTER HANTS ENGLAND	B A 1
BOND ROBERTA 456 PINE AVE W APT 2 MONTREAL QUE	B N 2 VI 5 1557
BONDAR RICHARD J L 3506 UNIVERSITY ST MTL 57 ROSE AVE GREAT NECK N Y USA	B SC 3 VI 4 0624

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BONE CHRISTINE VICTORIA 97 STRATFORD RD MONTREAL 29 QUE	B A 3 HU 6 1895
BONE HELEN MARY 97 STRATFORD RD HAMPSTEAD QUE	B SC P OT 1 HU 6 1895
BONIM ORA 3350 COTE ST CATHERINE APT 6 MONTREAL QUE	B SC 4 RE 3 9004
BONNEAU JOSEPH PIERRE B SAINT MATHIEU CO LAPRAIRIE QUE	B ENG MCH 5 MI 3 8478
BONYUN DAVID AUSTIN 4869 MAYFAIR AVE MONTREAL 29 QUE	PH D 2 HU 1 0798
BONYUN ROSEMARY GRACE 4869 MAYFAIR AVE MONTREAL 29 QUE	PH D 2 HU 1 0798
BOONE ALAN W 406 PINE AVE W MTL 54 3RD ST PRESQUE ISLE MAINE USA	MD CM 3 VI 9 6427
BOONPASAN PANIT 3634 OXENDEN AVE MTL CHULALONGKORN HOSPITAL BANGKOK THAILAND	GRAD DIP 2 VI 9 5097
BOOSEY NIGEL MARCHANT 3475A STANLEY ST APT 18 BOURNE ORCHARD BRICKENDON HERTFORD ENGLAND	B COM 3 VI 4 9759
BOOTH JOHN DEREK 503 LAVIOLETTE ST ST JEROME QUE	B A 1
BORDEN JOYCE ANN 2336 HINGSTON AVE MONTREAL QUE	B C L 2 HU 4 2453
BORDO MICHAEL DAVID 591 ALGONQUIN AVE TOWN OF MT ROYAL QUE	B A 2
BORENSTEIN ROSALIND 5272 MUSSET AVE MONTREAL QUE	3 TCHRS 1 HU 8 6747
BORENSTEIN STANLEY 5811 DAVIES AVE MONTREAL QUE	B A 4 HU 8 7531
BORGER SONDRA J E 49 SUMMERHILL AVE VALOIS QUE	B SC P OT 3 OX 7 2579
BORGOGELLI ARTHUR BENITO 36 BEVERLEY AVE TOWN OF MOUNT ROYAL QUE	B C L 1 RE 7 6705
BORSHY CAROLYN 3762 MACKENZIE ST MONTREAL QUE	3 TCHRS 1 RE 3 8532
BORTHWICK ANTONY THOMAS WILSON HALL CHUFFS HOUSE HOLYPORT BERKS ENGLAND	B COM 1
BORTNICHUK ALEX 6545 11TH AVE MONTREAL 36 QUE	H S D DIP 1 RA 2 3069
BOSTON CHRISTOPHER JOHN M 610 MITCHELL AVE TOWN OF MT ROYAL QUE	D D S 1 RE 8 3468
BOSTON MRS FRANK 13 ST JOHNS RD PTE CLAIRE QUE	HDICRAFTS 1 OX 7 0448
BOTCHETT DOREEN M ROYAL VICTORIA COLLEGE 61 BLEEKER ST ORILLIA ONT	B A 2 VI 2 0147
BOTH GABOR 5765 DECARIE BLVD MONTREAL QUE	B L S 1 RE 3 1360
BOTKIN LINDA JOAN 30 HEATH RD HAMPSTEAD 29 QUE	B SC 3 HU 4 8156
BOUCHARD CAROLE ELIZABETH ROYAL VICTORIA COLLEGE 60 DRINKWATER ST SUDBURY ONT	B A 1 VI 9 0993
BOUCHER JEAN LOUIS 6015 VIAU ST MTL BOX 1 HEARST ONT	B ENG MCH 4 CL 6 2998
BOUCHETTE MURRAY DOUGLAS HALL 26 BROADWAY AVE OTTAWA ONT	B SC 3
BOUDREAU LOUIS PAUL 5456 DUQUETTE AVE MONTREAL QUE	B ENG 1 HU 4 3278
BOULANGER PIERRE DE GUISE 4385 ROYAL AVE MONTREAL QUE	B SC 1 HU 1 9690
BOURASSA EILEEN DENYSE 1544 MCGREGOR MTL 1023 MAPLE AVE SHAWINIGAN QUE	B SC P OT 1
BOURDON FRANCE 4237 HAMPTON AVE MONTREAL 28 QUE	B SC 2 HU 8 1924
BOURNE HEATHER JEAN 386 ROSLYN AVE WESTMOUNT QUE 1525 MISSISSAUGA RD PORT CREDIT ONT	B A 2 WE 7 2548
BOURNE JULIE CHARLOTTE 336 STRATHCONA DR MONTREAL 16 QUE	B SC P OT 1 RE 1 0790
BOURNE MARY GAIL ROYAL VICTORIA COLLEGE 648 ONTARIO ST SHERBROOKE QUE	B A 3 VI 2 0327
BOURQUE JACQUES ARTHUR 1755 LAURIER BLVD SILLERY QUE	B ENG CIV 4
BOUSKILL MARGARET 2135 ST MARC ST APT 3 55 LYNNGROVE AVE TORONTO 18 ONT	GRAD DIP 1
BOUSQUET DENIS MACDONALD COLLEGE R R 4 GRANBY QUE	AGR DIP 1 GL 3 1828
BOUTHILLIER GUY GEORGES 1102 MOUNT ROYAL AVE E MONTREAL QUE	B C L 2 LA 1 3938
BOUTIN FRANCOISE M 109 DUCHASTEL AVE MONTREAL 8 QUE	B C L 3 CR 4 8639
BOVYER BARBARA JANE MACDONALD COLLEGE 4895 TRENHOLME AVE MONTREAL 29 QUE	3 TCHRS 1
BOWEN COLIN BRICE 4132 DORCHESTER W MONTREAL 6 QUE	B ENG 1 WE 5 8098
BOWEN DAVID ERNEST 5220 HAMPTON AVE MONTREAL 29 QUE	B SC 1 HU 1 7583
BOWEN LINWOOD JULE 3508 UNIVERSITY ST MTL DANVILLE VERMONT USA	B D 1 VI 4 0752
BOWEN LIONEL ANTHONY B 121 ARLINGTON AVE WESTMOUNT QUE	B ENG MCH 3 WE 7 1307
BOWEN RUDRADEO CECIL 3508 UNIVERSITY ST MTL FRIENSHIP VILLAGE EAST COAST DEMERARA BR GUIANA	B SC 2 VI 4 0752

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BOWERS ANN ISABEL MACDONALD COLLEGE R R 2 LENNOXVILLE QUE	B SC H EC 2
BOWIE RICHARD JOHN F 975 ST CLARE RD TOWN OF MT ROYAL QUE	B C L 1 RE 7 2252
BOWLE EVANS JO ANN 73 ROXTON CRES MONTREAL 29 QUE	B SC 2 HU 9 4791
BOWLER JOHN HIGDON 4090 ROYAL AVE MTL 6408 40TH AVE HYATTSVILLE MD USA	D D S 1 HU 1 1156
BOWLES BENJAMIN ROGER BRITTAIN HALL MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 1 GL 3 1828
BOWMAN AUSTIN LUTHER MACDONALD COLLEGE NORTH WILTSHIRE P E I	B SC AGR 3
BOYANER RENA ESTHER 4089 KENT AVE MONTREAL 26 QUE	B A 1 RE 3 2452
BOYD DAVID ROSS PATHOLOGY INST 6666 E GREEN LAKE WAY SEATTLE WASH USA	MD CM 2 VI 2 1251
BOYD FRANK SWAIL 296 GREEN ST ST LAMBERT QUE	B C L 2
BOYD MARGARET A PEGGY ROYAL VICTORIA COLLEGE 2 SUNSET AVE SENNEVILLE QUE	B ENG 1 VI 9 0030
BOYD MARILYNN L 88 MORGAN RD BAIE D URFE QUE	B SC H EC 1 GL 3 6094
BOYER MICHEL GUY 3546 SHUTER ST APT 7 MTL 345 BLOOMFIELD AVE MONTREAL QUE	B A 2 VI 5 1989 CR 9 1459
BOYES BARBARA GRACE 484 STRATHCONA AVE WESTMOUNT QUE	B SC 3 WE 7 4857
BOYES PHILIP WESTCOTT 484 STRATHCONA AVE WESTMOUNT QUE	B A 1 WE 7 4857
BOYKO CATHERINE FRANCES 8665 BASSWOOD AVE APT 5 PIERREFONDS QUE	B SC N 1
BOYKO WALDIMER PAUL 8665 BASSWOOD AVE PIERREFONDS QUE 1000 11 ADELAIDE ST W TORONTO ONT	PH D 4 MU 4 6804
BOYLE LAWRENCE JAMES 3501 MONTCLAIR AVE MONTREAL 28 QUE	M A 2 HU 4 7498
BOYLE PETER JOCELYN 3564 DUROCHER MTL ST OSYTH ESSEX ENGLAND	B A 3 VI 4 1295
BOYNE MARY KATHARINE MACDONALD COLLEGE 203 KINDERSLEY AVE MONTREAL QUE	B ED 2
BRACK DAVID MELVILLE 2163 ST LUKE ST APT 2 MONTREAL QUE	M A 1 WE 2 8340
BRACKEN DELL FRANKLIN BOX 153 APT A 12 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 2 GL 3 1335
BRADBURY JAY TAYLOR BOX 340 HUDSON QUE	B ENG 1 BE 6 4229
BRADFIELD PENELOPE JOYCE 125 48TH AVE LACHINE QUE	2 TCHRS 1 ME 7 9853
BRADLEY CLEVELAND WILLIAM 4073 MELROSE AVE MONTREAL 28 QUE	M ENG 1 HU 4 2398
BRADLEY JOHN ELLIOT 4073 MELROSE AVE MONTREAL 28 QUE	B A 2 HU 4 2398
BRADLEY MARGARET ROSE GIRL S COTTAGE SCHOOL ST BRUNO CO CHAMBLY QUE	PARTIAL OL 3 2421
BRADLEY PAMELA ANNE 3417 MELROSE AVE APT 7 MONTREAL QUE	PH D 2 HU 4 4505
BRADLEY ROBERT E 6240 CLANRANALD AVE MONTREAL 29 QUE	MD CM 3 RE 7 1840
BRADLEY SUSANNA ELIZABETH 106 DUPONT AVE CHATEAUGUAY HEIGHTS QUE	B SC 1 OX 2 6284
BRADSHAW JOAN R ROYAL VICTORIA COLLEGE 57 MAPLE DR R C A F STN ST HUBERT QUE	B A 3 VI 2 0180
BRADSHAW RICHARD F 19 DE CASSON RD WESTMOUNT QUE	B COM 4 WE 2 4644
BRADSHAW RUTH OLIVER F 1389 REDPATH CRES MTL 15 ST ANDREWS GDNS TORONTO 5 ONT	B SC P OT 5 VI 2 7418
BRADY JAMES JOSEPH 1581 MCGREGOR ST MTL 101 BELVIDERE BLVD NORTH PROVIDENCE RHODE ISLAND USA	D D S 2
BRAEKEVELT ALBERT 475 PINE AVE W MTL 410 MICHIGAN AVE PT EDWARD ONT	B COM 4 VI 4 4270
BRAIN ELIZABETH ELSIE ROYAL VICTORIA COLLEGE R R 2 HAWKESBURY ONT	B A 3 VI 2 0847
BRAININ CAROLE 4869 DRAPER AVE MONTREAL QUE	B A 1 AV 6 5597
BRAININ JULIUS 4869 DRAPER MONTREAL 28 QUE	M A 2 HU 9 7295
BRAITHWAITE DESMOND L 3602 DUROCHER ST APT 11 MONTREAL QUE	MD CM 3
BRAMER ROEL CORNELIS T P DOUGLAS HALL DEN HAM O HOLLAND	B A 2 VI 4 6516
BRAMMELL HOMER LEON 3225 APPLETON AVE APT 5 MONTREAL 26 QUE	MD CM 4 RE 7 8973
BRAMSON MARION BRENDA 5354 DUROCHER OUTREMONT QUE	B A 1 CR 4 7945
BRAMWELL NEIL DAVID 3660 LORNE CRES APT 15 C O SPIEGAL 509 EAST 84TH ST NEW YORK N Y USA	MD CM 1 VI 9 1042
BRANCH JOHN VIVIAN 437 GROSVENOR AVE WESTMOUNT 6 QUE	B ENG 1 WE 7 4158
BRANCHAUD JEAN CLAUDE G J 4028 JOSEPH VERDUN QUE	B ENG 1 PO 8 9488

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BRANDES JACK SOLOMON 5176 TRANS ISLAND AVE JOSEPH ST KEMPTVILLE ONT	B SC 2 HU 1 9159
BRASSEL ROGER WILLIAM 3453 SHUTER ST MTL CIRCLE AVE NORTH CREEK N Y USA	MD CM 1 VI 3 6709
BRAUN KLAUS J 2044 ST JUST ST MONTREAL QUE	B SC 3 CL 5 7474
BRAUN URSULA 2044 RUE DE ST JUST LONGUE POINTE MONTREAL EAST QUE	B SC 1 CL 5 7474
BRAUNSTEIN PETER M 4808 ROSLYN AVE MONTREAL QUE	MD CM 4 RE 7 8734
BREBNER GAIL PATRICIA 9 EAST GABLES COURT BEACONSFIELD QUE	2 TCHRS 1 OX 5 5848
BRECKENRIDGE JOHN A 1800 GRAHAM BLVD TOWN OF MT ROYAL QUE	S T M 2 RE 9 7741
BREGMAN NATHAN BERNARD 3460 KENT AVE MONTREAL 29 QUE	D D S 1 RE 3 9040
BREITBART CHARLES ANTHONY 3511 SHUTER APT 3 MTL RIOJA 2364 OLIVDS BUENOS AIRES ARGENTINA	B COM 4 VI 4 3139
BREITHAUPT RICHARD W 1167 MT ROYAL BLVD MTL 1 ROCHESTER AVE TORONTO 12 ONT	B SC 3 CR 7 9432
BREMER INGRID 90 FIELDFARE AVE BEAUREPAIRE QUE	2 TCHRS 1 OX 5 215
BRENCIAGLIA PAOLO 2285 ST MATHIEW ST MTL VIA FLAMINIA 160 ROME ITALY	B SC 4 WE 3 7058
BRENDER MANDEL 5929 CLANRANALD AVE MONTREAL QUE	M SC 1
BRENDER WILLIAM JOSEPH 5929 CLANRANALD AVE MONTREAL QUE	B A 4 RE 8 3883
BRENHOUSE SOREL L 664 DAVAAR AVE MONTREAL QUE	B A 3 CR 7 7747
BRENNER RHONA 5713 DAVIES AVE COTE ST LUC QUE	3 TCHRS 1 HU 6 0585
BRETT BRIAN DUDLEY 3295 RIDGEWOOD AVE APT 19 MONTREAL 26 QUE	PH D 3 RE 9 0448
BREWER JACK R 3851 UNIVERSITY ST MTL 2117 HARRIS ST EUREKA CALIF USA	MD CM 4 VI 4 0977
BREWER MICHAEL BRIAN 407 WALPOLE AVE TOWN OF MT ROYAL QUE	B ENG CH 5 RE 7 5318
BREWS JOHN ROBERT 4272 HAMPTON AVE MTL 1504 SCOTLAND ST S W CALGARY ALTA	M SC 1 HU 1 6695
BRICHTA EDGAR SIGMUND P O BOX 127 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	MD CM 4 GL 3 1564
BRICK JOAN FRASER 211 KINDERSLEY AVE MONTREAL 16 QUE	B SC P OT 2 RE 7 0341
BRICK PETER JOHN 211 KINDERSLEY AVE MONTREAL QUE	B COM 3 RE 7 0341
BRIDGE ROBERT ANDREW D 546 PINE AVE W MONTREAL QUE	B ENG EL 5
BRIDGER IAN CAMERON 46 PERRAULT AVE STE ANNE DE BELLEVUE QUE	B SC 1 GL 3 2392
BRIDGER MALCOLM KEITH 46 PERREAULT AVE STE ANNE DE BELLEVUE QUE	B SC 4 GL 3 2392
BRIDGES JOHN ALAN 39 ELLENDALE RD HAMPSTEAD QUE	B A 1 HU 6 5691
BRIDGEWATER ALBERT W 4150 CAVENDISH BLVD APT 32 MONTREAL QUE	B ENG 2 HU 8 7135
BRIDGMAN JOHN HARWOOD 776 LEXINGTON AVE WESTMOUNT QUE	B A 3 HU 6 4639
BRIEGER VIVIAN SUE 4927 JEAN BRILLANT MONTREAL QUE	B A 1 RE 1 1094
BRIGGS TERRENCE MICHAEL 339 TUDOR AVE ST LAMBERT QUE	B ENG 1 OR 1 3621
BRINKER GERALD 5020 CLANRANALD APT 4 MONTREAL QUE	B ENG CH 4 HU 6 2356
BRISSENDEN RICHARD W WILSON MEMORIAL HALL GASPE COPPER MINES LTD MURDOCHVILLE QUE	B ENG 1
BRITT ROBERT PETER 4405 MELROSE AVE MONTREAL 28 QUE	B ENG 2 HU 4 1237
BRITTON MICHAEL HENRY 3466 MCTAVISH ST MTL 54 HIGHFIELD ST MONCTON N B	MD CM 1 AV 8 9533
BRITTON WALTER ALEXANDER 2397 WELLINGTON ST MONTREAL 22 QUE	B ENG 2 WE 7 2272
BROBBEY EUGENE A G 3511 HUTCHISON ST MTL C O P O BOX X92 F N T KUMASI GHANA	B ENG EL 3 VI 9 0157
BROCHU CAMILLE 5741 BLVD GOUIN E MONTREAL NORTH QUE	B ENG 1 RA 1 3709
BROCK JOSEPH ANSON 570 MILTON ST APT 16 MTL RT 1 BOX 480 PLACERVILLE CALIF USA	MD CM 1 VI 5 9547
BROCKHOUSE JOHN E 3417A HUTCHISON APT 5 MTL 24 HARTOPP RD SUTTON COLDFIELD WARWICKSHIRE ENGLAND	B COM 2
BRODIE ELIZABETH 4710 UPPER ROSLYN AVE MONTREAL QUE	M S W 2 HU 6 6333
BRODIE JAMES ALFRED 63 LOCKHART AVE TOWN OF MT ROYAL QUE	B ENG 1 RE 8 3240
BRODIE ROBERT DONALD 101 FINCHLEY RD HAMPSTEAD QUE	B ENG MCH 4 HU 1 1988
BRODKIN GLORIA JOYCE 657 ROSLYN AVE WESTMOUNT QUE	B A 4 HU 6 1767
BRODSKY LEWIS 8002 UPPER LACHINE RD MONTREAL WEST QUE	B SC 2 HU 4 4733

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BROMLEY CAROL MARGARET 590 PORTLAND AVE TOWN OF MT ROYAL QUE	B ED 3 RE 8 1468
BROMLEY RICHARD SCOTT 30 DUFFERIN RD HAMPSTEAD QUE	B ARCH 4 HU 4 6107
BRONSTEIN PEARL 1564 LAJOIE AVE OUTREMONT QUE	B SC P OT 3 CR 9 2383
BROOKS JEAN 204 STONEHENGE RD BEACONSFIELD QUE	B ED 2 OX 5 5247
BROOKS HILL HELEN HEATHER 555 SHERBROOKE ST W MTL 53 SECOND ST OAKVILLE ONT	B SC P OT 3 VI 2 0113
BROSCOMB ANTHONY MACDONALD COLLEGE 25 NICOLET ST ASBESTOS QUE	2 TCHRS 1
BROSSARD MAURICE 364 BIRCH ST LAMBERT QUE	PH D 3 OR 1 6036
BROSSEAU JOSEPH DAVID M 8300 ONTARIO EAST APT 11 MONTREAL QUE	M A 1 CL 6 4850
BROTMAN LINDA JANE 4615 MILLER AVE MONTREAL QUE	B A 1 RE 8 0278
BROWN ABIGAIL MCLEAN 1009 SHERBROOKE ST W MTL 915 AVENUE C WHARTON TEXAS USA	B SC 3
BROWN ALAN GEOFFREY LLOYD 4717 ROSLYN AVE MONTREAL QUE	B ENG MET 3 HU 1 2659
BROWN BARBARA 143 ST JOHNS RD PTE CLAIRE QUE	HDICRAFTS 2
BROWN BARRIE HINCHCLIFFE 4484 SHERBROOKE ST LACHINE QUE	B C L 3
BROWN CHARLES KIRKLAND 3647 DUROCHER ST APT 15 MONTREAL QUE	PH D 3
BROWN CHARLES STANTON 4711 PLAMONDON AVE MTL 38 THIRD ST ILION NEW YORK USA	MD CM 2 RE 9 8829
BROWN DAVID JOHN 4640 CHAPMAN ST MONTREAL 36 QUE	B A 2 RA 2 3094
BROWN DONALD CLIFFORD 43 PARKSIDE ST MONTREAL WEST QUE	B A 1 HU 6 2635
BROWN EDWARD ARTHUR B 71 LES CHENEAUX VAUDREUIL QUE	B SC AGR 1 BE 4 2912
BROWN GORDON HARRISON 97 THURLOW RD MONTREAL 29 QUE	B ENG MCH 4 HU 1 2249
BROWN JOYCE CONSTANCE 3620 HUTCHISON ST APT 10 MONTREAL QUE	PH D 4
BROWN KENNETH MACKINTOSH 3508 UNIVERSITY ST MTL R R 2 CALUMET QUE	B D 1
BROWN MARTIN ALLAN 4910 MAPLEWOOD APT 6 MONTREAL QUE	B SC 1
BROWN MARVIN 3120 LINTON APT 6 MONTREAL 26 QUE	M SC 2 RE 9 5963
BROWN MAURICE C 4485 MAPLEWOOD AVE MTL 6 MAIN ST ST ANNS BAY JAMAICA W I	B ENG EL 4 RE 3 0460
BROWN MORTON BERTRUM 4935 ISABELLA AVE MONTREAL QUE	B SC 3 RE 8 4298
BROWN PATRICIA AURALIA 3428 PEEL ST APT 12 MTL 3805 PRINCESS DR APT 8 REGINA SASK	GRAD DIP 1 VI 5 8585
BROWN PETER LAWRENCE 5515 SILVERSON AVE MONTREAL QUE	B A 2 HU 4 9809
BROWN REA A 406 PINE AVE W APT 61 R R 1 CARDINAL ONT	MD CM 3 VI 9 6427
BROWN RICHARD THOMAS 8940 LUMSDEN MTL R R 1 BELLEVILLE ONT	B ENG EL 5 DU 1 6804
BROWN ROBERT 2027 BARCLAY AVE MONTREAL 26 QUE	B ARCH 3 RE 8 9603
BROWN ROBERT ALLEN NOAKES 1533 LAIRD BLVD TOWN OF MT ROYAL QUE	B ARCH 2 RE 1 4390
BROWN ROBERT GEORGE BOX 97 MACDONALD COLLEGE 17299 ST MARY S RD STE GENEVIEVE QUE	M SC 2
BROWN SUSAN MARGARET ROYAL VICTORIA COLLEGE 679 CHEESE SPRING RD NEW CANAAN CONN USA	B A 3
BROWN THOMAS CHALMERS 1640 FOCH CRES VERDUN QUE	B A 2 PO 7 4734
BROWNE HARRY GORDON 283 45TH AVE LACHINE QUE	2 TCHRS 1 ME 7 5794
BROWNSTEIN LOUISE MACDONALD COLLEGE 5977 MOUNTAIN SIGHTS AVE MONTREAL QUE	3 TCHRS 1
BROWNSTEIN SEYMOUR 5725 TRANS ISLAND AVE MONTREAL QUE	B SC 4 RE 7 2896
BROWSE FLORENCE CAROLINE ROYAL VICTORIA COLLEGE 34 BRUNET AVE PTE CLAIRE QUE	B A 1 VI 2 0829
BRUCE IAN GORDON 52 TUDSTALL AVE SENNEVILLE QUE	B ENG 1 GL 3 2382
BRUCE ROBERT DOUGLAS BRITTAIN HALL 52 TUNSTALL AVE SENNEVILLE QUE	B SC AGR 4
BRUKER ANNE 5235 COTE ST LUC RD APT 34 MONTREAL QUE	B A 1 HU 6 5190
BRUKER MITZI HOPE 433 ST JOSEPH BLVD W OUTREMONT QUE	B SC N 2 CR 7 3779
BRUMER ALLAN J 4677 CARLTON AVE MONTREAL QUE	B A 1 RE 8 0980
BRUNDAGE JOHN STEVEN 3841 HARVARD AVE MONTREAL QUE	MUS B 1 HU 8 3773
BRUNDRITT JOHN KEITH 3436 DUROCHER ST APT 12 MOORETOWN ONT	B SC 4 VI 9 9790

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BRUNELLE PAUL HERVE 1021 ST ROCH MTL 22 GOULBURN AVE OTTAWA ONT	B ARCH 4 CR 9 3606
BRUNET PETER ARTHUR 5136 CONNAUGHT AVE MONTREAL QUE	B SC 1 HU 8 8295
BRUNET ROBERT 8310 ST ANDRE ST MONTREAL QUE	B ENG PHY 5 DU 1 1497
BRUNOFF JOSEPH MICHAEL 4833 CUMBERLAND AVE MONTREAL QUE	B A 1 HU 1 1410
BRUSH ALVIRA IRENE 495 PRINCE ARTHUR ST W APT 18 MTL 3569 RIBERDY RD WINDSOR ONT	B L S 1 VI 4 7684
BRYAN BEVERLEY JOAN 761 HICKSON AVE VERDUN QUE	B SC 1 PO 8 1674
BRYANT DAVID GEORGE P O BOX 115 APT A 18 MACDONALD COLLEGE C O P O BOX 39 CORNER BROOK NFLD	M SC 1
BRYANT NEVIN ARTHUR DOUGLAS HALL 255 IVY ST DENVER 20 COLO USA	B A 1
BRYJA EDWARD JOSEPH 6415 10TH AVE MONTREAL 36 QUE	B COM 3 RA 2 5822
BRYSON EILEEN ROSEMARY LAIRD HALL BOX 43 MAIN ST ST ANDREWS EAST QUE	B ED 2
BUCHAK ROXANNE M 131 CORNWALL AVE TOWN OF MT ROYAL QUE	D D S 4 RE 3 7346
BUCHANAN DONALD CAMERON 557 GERALD ST LASALLE QUE	B ENG EL 3 DO 6 7049
BUCHANAN GORDON ALAN 6 MAPLE AVE APT 47 STE ANNE DE BELLEVUE QUE 398 CHARLES AVE VALOIS QUE	H S D DIP 1 GL 3 6538
BUCKELS LARRY JOE 3484 DUROCHER ST APT 110 6902 NORTON VENTURA CALIF USA	MD CM 1 VI 5 9549
BUCKMAN CHRISTOPHER SIMON DOUGLAS HALL ROMBOLD HOUSE ILKLEY YORKS ENGLAND	B A 1
BUCKMASTER JOANNE E 4335 MADISON AVE MONTREAL 28 QUE	MUS B 1 HU 4 6491
BUDGE PATRICIA WENDY ROYAL VICTORIA COLLEGE CHARTWOOD HOUSE AYLMER RD R R 1 HULL QUE	B SC N 4 VI 2 0598
BUDGELL EWART MUNDEN 3592 UNIVERSITY ST MTL 344 MOWAT AVE KINGSTON ONT	B COM 2
BUENAHORA MANUEL BRITTAIN HALL 1120 BERNARD AVE APT 41 MONTREAL QUE	B SC AGR 1
BUESCHEL HOLGER 88 ZEPHIR AVE STE DOROTHEE QUE	B ENG 1 MU 9 0323
BULGER JOHN STUART S 141 CORNWALL AVE TOWN OF MT ROYAL QUE	B SC 1 RE 7 8294
BULL GERALDINE STEPHENSON 159 HIGHFIELD AVE MONTREAL 16 QUE	B A 1 RE 1 4466
BULLOCK CHARLOTTE MAY ROYAL VICTORIA COLLEGE 100 COURT ST N ANDOVER MASS USA	B A 2 VI 2 0634
BUREAU ROGER EUGENE A 3547 DUROCHER ST APT 4 MONTREAL 18 QUE	B A 4 VI 4 4272
BURGEN RUEDIGER ALBRECHT 121 CHARLES AVE VALOIS QUE	B ENG 1 OX 7 2276
BURGESS DRUMMOND EATON 1850 LINCOLN AVE APT 202 274 RODIN ST BELOEIL STN QUE	M A 2 UN 6 3561
BURGESS PATRICIA JEAN 10 ROSEMOUNT AVE APT 406 MONTREAL 6 QUE	B A 4 WE 2 1534
BURGESS PAUL LYMAN MACDONALD COLLEGE 439 CHARLOTTE ST FREDERICTON N B	B SC AGR 3
BURGGRAF GARY WINSTON 4082 OXFORD AVE MONTREAL QUE	B SC 3 HU 1 4963
BURIN ANNA ESTHER 13 ST GEORGE ST STE ANNE DE BELLEVUE QUE 4845 HUTCHISON ST APT 5 MONTREAL QUE	3 TCHRS 3
BURKE BARBARA EVE 670 VICTORIA AVE WESTMOUNT QUE	GRAD DIP 1 HU 4 7044
BURKE GERALD CRAWFORD 3420 KENSINGTON AVE APT 24 MONTREAL QUE	2 TCHRS 2 HU 8 5218
BURKE JOHN KEVIN NEIL 68 ROXTON CRES MONTREAL WEST QUE	B ENG MCH 3 HU 9 6129
BURKETT GUY ROSS 2394 PARK ROW W MONTREAL 28 QUE	B ENG 1 HU 4 1876
BURKSON JOHN EMMANUEL 3637 OXENDEN AVE MTL EDUCATION ATTACHE GHANA EMBASSY WASH 8 D C USA	B SC 4 VI 4 6680
BURLAND GERALD VICTOR 546 PINE AVE W APT 6 MONTREAL QUE	B SC 2
BURMAN BRYNA 5345 BRODEUR AVE MONTREAL 28 QUE	B ED 3 HU 6 3164
BURMAN MICHAEL HOWARD 42 NELSON AVE OUTREMONT QUE	B SC 2 CR 9 9708
BURN ALLAN WILLIAM 4300 WESTERN AVE APT 603 WESTMOUNT QUE	AGR DIP 1 WE 3 3135
BURNESS MALCOLM RODERICK 2156 LINCOLN AVE MTL 93 JOCELYN ST PORT HOPE ONT	B ENG 1 WE 7 0495
BURNETT KAREN DIANNE 910 45TH AVE LACHINE QUE	B SC 2 ME 7 2753
BURNETT HERKES JAMES N BRITTAIN HALL THREE HARBOURS SOMERSET BERMUDA	B SC AGR 3
BURNEY MARGARET FOWLER ROYAL VICTORIA COLLEGE 4188 AMBOY RD STATEN ISLAND 8 N Y USA	B A 3 VI 2 0495

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NAME ADDRESS	COURSE & YEAR TEL. NO.
BURNHAM DONALD 509 PROVOST LACHINE QUE	B COM 2 ME 4 1137
BURNHAM VALERIE HUNTER 1463 BISHOP ST APT C5 87 ROCKLAND ST SPRINGFIELD MASS USA	B L S 1
BURNS ROBERT GORDON 6730 DES ECORES ST MONTREAL 35 QUE	B C L 4 RA 5 0430
BURNS ROBERT LEO 554 MILTON ST APT 7 MONTREAL QUE	B A 4 AV 8 4050
BURNSIDE JAMES DOUGLAS BRITTAIN HALL R R 3 MADOC ONT	B SC AGR 4
BURRILL ROSALIE AGNES 768 SHERBROOKE ST W APT 19 MTL R R 2 MELBOURNE QUE	B ED 3
BURROWS ELIZABETH JANE 3480 ONTARIO AVE MTL 8 RIVERVIEW RD LACHUTE QUE	M A 2 VI 2 0044
BURSKY STEVEN JAY 3483 PEEL ST MTL 9205 WHITNEY AVE ELMHURST 73 QUEENS NEW YORK USA	B SC 2 VI 2 0882
BURSTYN PETER GEORGE R 14 MAPLEWOOD AVE OUTREMONT QUE	B SC 2 CR 2 0598
BURT LEONARD 6393 MCLYNN AVE MONTREAL 29 QUE	B SC 1 RE 7 2003
BURTON JOHN DOUGLAS 3473 UNIVERSITY ST MTL R R 1 STREETSVILLE STREETSVILLE ONT	B ENG 2 VI 9 1709
BURTON LAWRENCE GRANT 56 CURZON AVE MONTREAL WEST QUE	B ENG MCH 3 HU 6 8580
BUSH JOANNE E LAIRD HALL 200 OAK RIDGE DR BAIE D URFE QUE	B SC H EC 1
BUSH LAIRD STANLY 52 WINDSOR AVE WESTMOUNT QUE	B COM 1 HU 1 7232
BUSSEY BRIAN WILLIAM 1004 MOFFAT AVE VERDUN QUE	B ENG CH 4 PO 7 4071
BUTLER ALAN SULLOWAY 4138 DORCHESTER ST W MTL 226 FLAGSTONE DR BETHLEHEM PA USA	B A 2 WE 5 9215
BUTLER CORA LYNN 336 LAKESHORE RD UPPER WOODLANDS QUE	B SC 1
BUTLER FREDERICH THOMAS D 219 COURCELLIS PL ST HILAIRE STN QUE	B ENG CIV 5 FO 7 6654
BUTLER JAMES FENWICK R 5 ROCKWOOD RD AUGUSTA MAINE USA	PARTIAL
BUTLER RICHARD GERARD 3413 HUTCHISON ST MTL 122 BELLEVUE ISLE MALIGNE QUE	B ENG CIV 4 VI 8 3412
BUTLER SUSAN RUTH 3610 MCTAVISH ST APT 4 MONTREAL 2 QUE	M A 1 VI 4 1329
BUTLIN JANIS ELIZABETH LAIRD HALL 37 THORNRIDGE DR THORNHILL ONT	B SC H EC 2
BUTMAN JERRY 5565 WAVERLY ST MONTREAL 14 QUE	B ENG 1
BUTOVSKY MERVIN 5200 COTE ST CATHERINE APT 3 MONTREAL QUE	M A 2 RE 7 9786
BUTT ALBERT CHAT PUI C 2029 METCALFE APT 9 14 SAU WA TERRACE WANCHAI HONG KONG	B COM 4
BUTT NIGEL ANTHONY 3463 SHUTER ST APT 1 MTL 17 ST VINCENT ST PORT OF SPAIN TRINIDAD	B SC 3 VI 5 0746
BUTTERFIELD DEBORAH ST G ROYAL VICTORIA COLLEGE PALMRIDGE PEMBROKE BERMUDA	B A 3 VI 9 0858
BUTTERY RALPH JAMES 21 PICARDY RD BAIE D URFE QUE	B SC 3 GL 3 5112
BUYKO ANNA MARY 5475 QUEEN MARY RD APT 9 MONTREAL QUE	B SC 1 HU 9 2878
BUZEK JANUSZ ROMAN 4970 COTE DES NEIGES APT 12A MONTREAL 26 QUE	B ENG MET 5
BYER STEPHEN MORTON 6888 LEMIEUX ST MONTREAL QUE	B SC 3 RE 8 4641
BYERS ALBERT MARTIN 766 CANORA RD TOWN OF MT ROYAL QUE	B ED 3 RE 3 3752
BYERS CHARLES HARRY 9 KINGS RD VALOIS QUE	B ENG CH 4 OX 7 2260
BYERS MICHAEL ALAN 18 ABERDEEN AVE WESTMOUNT QUE	B ENG CIV 3 WE 2 9966
BYERS WILLIAM PAUL 2945 MAPLEWOOD AVE APT 6 MONTREAL QUE	B SC 1 RE 9 0382

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CABANA PIERRE 3543 LORNE AVE MTL 210 PERCY ST MAGOG QUE	B ENG 1 VI 9 9892
CABELLI ANITA LIVIS 4050 COTE ST CATHERINE APT 10 MONTREAL QUE	GRAD DIP 1 RE 8 4196
CABINSKY DOROTHY SHARON 5281 ST URBAIN ST MONTREAL QUE	H S D DIP 1 CR 4 8620
CABRI LOUIS JEAN PIERRE 4872 COTE DES NEIGES RD APT 6 MONTREAL 26 QUE	M SC 2 RE 9 7129
CADIEUX ANTOINE 524 JARRY ST E MONTREAL 10 QUE	B ENG 1 CR 2 5141
CAHILL CYRIL F 4970 COTE DES NEIGES APT 5 MONTREAL QUE	MED DIP 4 RE 9 9894
CAHILL GWENDOLYN G 217 BEDBROOK AVE MONTREAL WEST QUE	B A 3 HU 1 2644
CAIRNCROSS GEORGE BRITTAIN HALL HOWICK QUE	AGR DIP 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CAIRNS ALAN ANDREW BRITTAIN HALL QUARER HILL PAWLING NEW YORK USA	B SC AGR 2
CALAMUR NARASIMHAN 3545 HUTCHISON ST MONTREAL QUE	M ENG 1 VI 9 4375
CALDER DONALD ALISDAIR 26 DUFFERIN RD HAMPSTEAD QUE	B ENG 1 HU 8 3828
CALDER HELEN GRACE 3460 SIMPSON APT 506 MTL HUDSON HEIGHTS QUE	B SC 3 WE 5 2794
CALDWELL CYNTHEA 168 PORTLAND AVE MONTREAL 16 QUE	B A 4 RE 8 9901
CALDWELL MILDRED DOROTHY R R 2 HUNTINGDON QUE	2 TCHRS 1
CALES MARION 5723 DAVIES AVE COTE ST LUC QUE	B A 2 HU 4 5860
CALHOUN HEATHER M ROYAL VICTORIA COLLEGE 168 JUNIPER ST BEACONSFIELD QUE	B A 2 VI 2 0598
CALLAGHAN GORDON STERLING 4855 MAPLEWOOD APT 1 MONTREAL QUE	H S D DIP 1 RE 1 5600
CALLAGHAN JOANNE ELLEN MACDONALD COLLEGE 6740 14TH AVE MONTREAL 36 QUE	2 TCHRS 1
CALLAN LOIS MARGARET S 434 BIRCH AVE ST LAMBERT QUE	PARTIAL OR 1 7393
CALLAN MARGARET SHEILA 3491 STANLEY ST APT 101 434 BIRCH AVE ST LAMBERT QUE	PARTIAL VI 5 3446
CALLENDER RAJAH BARBARA P O BOX 46 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC H EC 3
CAMERON AIRLIE A C 3980 COTE DES NEIGES RD APT 825 MTL MT WHITNEY RD LAKE PLACID NEW YORK USA	MD CM 4 WE 3 7110
CAMERON ALAN LINDSAY 3473 UNIVERSITY ST MTL 645 50TH AVE LACHINE QUE	B D 1 VI 9 1791
CAMERON ALLAN I 4195 NORTHCLIFFE AVE MTL P O BOX 2061 BAIE COMEAU ST GEORGES QUE	B SC 2 HU 4 2483
CAMERON DONALD B 3434 MCTAVISH ST MTL 2 7TH ST S KENORA ONT	B COM 2 VI 2 4492
CAMERON ELIZABETH JANE 49 PARKSIDE MONTREAL WEST QUE	B SC N 5 HU 4 8915
CAMERON NORMAN EWEN BRITTAIN HALL P O BOX 2061 BAIE COMEAU ST GEORGES QUE	B SC AGR 1
CAMERON SHEILA MARY 640 45TH AVE LACHINE QUE	B ED PED 3 ME 7 4903

NAME ADDRESS	COURSE & YEAR TEL. NO.
CAMPBELL ARTHUR RAE 3509 HUTCHISON ST APT 706 MTL 14 ROY ST ORMSTOWN QUE	B ENG 2 VI 5 8732
CAMPBELL BRAHM 2177 BEDFORD RD MONTREAL QUE	B C L 3 RE 7 7187
CAMPBELL BRIAN M 48 ST ANDREWS RD BAIE D URFE QUE	B COM 2 GL 3 4558
CAMPBELL COLIN PATERSON 4846 CEDAR CRES MONTREAL 29 QUE	B SC 4 RE 8 8252
CAMPBELL DAVID B 4846 CEDAR CRES MONTREAL 29 QUE	B C L 2 RE 8 8252
CAMPBELL DONALD K 227 KINDERSLEY AVE TOWN OF MT ROYAL QUE	MD CM 3 RE 3 2208
CAMPBELL DOUGLAS CAMERON 3605 UNIVERSITY ST 5 5TH AVE DORVAL QUE	B ENG CIV 5 AV 8 0643
CAMPBELL DWIGHT VICTOR L 3490 HUTCHISON ST MTL 1A CHELSEA AVE HALF WAY TREE JAMAICA W I	B ENG AM 3
CAMPBELL HUGH JOHN 3609 UNIVERSITY ST MTL 353 KINGSTON CRES WINNIPEG 8 MAN	PH D 4 AV 8 6307
CAMPBELL JACKSON PIERCE BRITTAIN HALL BRISTOL QUE	2 TCHRS 1
CAMPBELL JAMES CECIL A 3567 SHUTER ST APT 5 MTL 616 EARL ST KINGSTON ONT	B ENG MCH 5 VI 5 0794
CAMPBELL LEXENA MARGARET 180 GARDEN CRES APT 12 DORVAL QUE 36 FORBES COURT SYDNEY N S	M S W 1 ME 1 1081
CAMPBELL RONALD MACLEOD 2027 CITY COUNCILLORS ST TATAMAGOUCHE N S	B ENG CH 4 VI 2 0490
CANAAN SAM 3795 PLAMONDON AVE MONTREAL QUE	B ENG 2 RE 1 4748
CANNINGS ROBERT JOHN 95 MARTIN AVE DORVAL QUE	B A 1 ME 1 0848
CANO ROBERTO IGNACIO DOUGLAS HALL 1096 VENETIAN WAY APT 18 MIAMI FLA USA	B SC 1
CANT JOHN DONALD WILSON HALL 23 FARM RD CORNER BROOK NFLD	B SC 1
CANTIN JOSEPH CHARLES G 426 SHERBROOKE W MTL 57 NOTRE DAME ST RIMOUSKI QUE	B ENG 1 VI 5 2954
CANTIN RICHARD PAUL 532 PINE ST MTL 834 LEVIS ST QUEBEC QUE	B ENG 2
CANTOR KAYLA 4975 PRINCE OF WALES MONTREAL QUE	B A 4 HU 9 6989
CANTOR KENNETH ZACHARY 5565 PARK AVE MONTREAL QUE	MD CM 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CANTOR PEARL 4975 PRINCE OF WALES MONTREAL QUE	B SC P OT 2 HU 9 6989
CANTRELL WARREN GORDON 456 PINE AVE W APT A MTL 3700 MASS AVE N W WASH D C USA	B SC 1 VI 9 7268
CAPE DAVID EDMUND 9045 GOUIN BLVD W SARAGUAY QUE	B ENG CIV 4 FE 4 7155
CAPE GARY CHRISTIAN 75 MORGAN RD BAIE D URFE QUE	B SC AGR 2 GL 3 2629
CAPE MICHAEL GORDON 4568 STANLEY WEIR MONTREAL 29 QUE	B ENG CH 5 RE 1 4176
CAPLAN DANIEL 5517 BORDEN AVE MONTREAL QUE	B A 2 HU 9 1770
CAPLAN DEENALIL 4753 THE BOULEVARD WESTMOUNT QUE	3 TCHRS 1 HU 8 3614
CAPLAN DONNA GAIL 6389 DE VIMY AVE MONTREAL QUE	3 TCHRS 1 RE 7 5540
CAPLAN KAREN 4985 CIRCLE RD MONTREAL QUE	B ED 2 RE 9 2767
CAPLAN LAZARUS DAVID 6300 LENNOX AVE APT 303 MONTREAL QUE	B COM 4
CAPLAN LESLIE 3500 MOUNTAIN ST APT 67 MONTREAL 25 QUE	PARTIAL VI 4 5384
CAPLAN LILLIAN HELEN ROYAL VICTORIA COLLEGE 517 ISLAND PARK DR OTTAWA ONT	B A 3 VI 9 0120
CAPLAN RONALD MERVYN 4985 CIRCLE RD MONTREAL QUE	MD CM 3 RE 9 2767
CAPPER JOHN BRIAN 9 GROVE PARK WESTMOUNT QUE	B ENG MCH 3
CAPRARU GEORGE MANIU 3654 OXENDEN AVE APT 11 MONTREAL QUE	B ENG MI 5 VI 9 4987
CAPRIOLI GIACOMETTA C V 4891 BOURRET APT 304 MONTREAL 29 QUE	B A 1 RE 1 0123
CARBONNEAU LOUIS MARTIAL 9240 14TH AVE VILLE ST MICHEL QUE	B ENG 1 DA 2 9199
CARBOTTE JULES 4453 WESTERN WESTMOUNT QUE	M SC 1
CARDA GEORGE FERDINAND 4780 COTE DES NEIGES RD MONTREAL QUE	B ENG MCH 3 RE 3 2092
CARDINAL JOSEPH LIONEL A 4251 MARQUETTE MTL C O CARDINAL MOTEL COURT ANCIENNE LORETTE QUE	B ARCH 3 LA 1 7901
CARDINAL RENE E 10447 TERRASSE FLEURY MONTREAL 12 QUE	M ENG 1 DU 8 9420
CARLIN MYRNA LOUISE 1009 SHERBROOKE ST W MTL 187 UNION ST SYDNEY N S	B A 2 VI 4 0426
CARLISLE CAROLYN RUTH 285 55TH AVE LACHINE QUE	B ED 2 ME 7 2237
CARLSON ARTHUR W 545 PINE AVE W MTL 148 WALDO AVE PIEDMONT 11 CALIF USA	MD CM 3 VI 5 5841
CARLSON EDWIN O 545 PINE AVE W MTL 148 WALDO AVE PIEDMONT 11 CALIF USA	MD CM 3 VI 5 5841
CARMICHAEL AUDREY HELEN 110 MELBOURNE AVE TOWN OF MT ROYAL QUE	B A 4 RE 7 6304
CARMICHAEL JOAN EDITH 110 MELBOURNE AVE TOWN OF MT ROYAL QU&5	2 TCHRS 1
CARMICHAEL KENNETH M 117 CHESTER AVE VALOIS QUE	B ENG 1 OX 7 1139
CARMICHAEL MOIRA ANNE 117 CHESTER AVE VALOIS QUE	B A 2 OX 7 1139
CARMICHAEL OLIVER D 2045 MACKAY ST APT 8 MONTREAL QUE	B D 2 VI 2 5756
CARMOSINO NICK 6321 MARQUETTE ST MONTREAL 35 QUE	B A 2 CR 1 1885
CARON MELODIE MOLSON 77 SUNNYSIDE AVE MONTREAL 6 QUE	B ED PED 4 HU 4 1455
CARPENTER ALAN KEITH 375 VICTORIA AVE WESTMOUNT QUE	B ENG EL 3 HU 1 1486
CARPENTER AUSTIN CLARK BRITTAIN HALL 1309 ST ANDREWS RD CORNWALL ONT	B SC AGR 4
CARPENTER BRIAN MICHAEL 71 NORTHVIEW ST MONTREAL WEST 28 QUE	B ENG 1 HU 4 1637
CARPENTER FRANK DAVIES 6821 DORNAL AVE MONTREAL 26 QUE	B SC 2 RE 7 1348
CARPENTER MICHAEL ARTHUR 375 VICTORIA AVE WESTMOUNT QUE	B ENG CH 5 HU 1 1486
CARR CYRIL D 3500 SHUTER ST APT 5 MTL 28 BEAUFORT GDNS LONDON S W 3 ENGLAND	B SC 3 VI 5 3926
CARR DOUGLAS ROBERT BRITTAIN HALL BOX 913 NEW LISKEARD ONT	2 TCHRS 1
CARR ELEANOR MARY 126 BALFOUR AVE MTL 118 EGLINTON AVE W APT 22 TORONTO ONT	B D 3 RE 8 0185
CARRIER KEITH COLIN 666 WARWICK DR BAIE D URFE QUE	B SC AGR 3 GL 3 8234
CARRIERE PAUL PHILIPPE 108 LAKESHORE DR DORVAL QUE	B C L 4 ME 1 3762
CARROLL MICHAEL PORTER 504 GROSVENOR AVE WESTMOUNT QUE	B A 1 WE 3 5944
CARRUTHERS JOYCE KATHLEEN 422 LANSDOWNE AVE WESTMOUNT QUE	B C L 4 WE 7 8441
CARSLEY BARBARA HOPE ROYAL VICTORIA COLLEGE CANNING N S	B SC 1 VI 2 0838
CARSLEY TIMOTHY ROSS 609 CLARKE AVE WESTMOUNT QUE	B C L 3 WE 2 2204

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CARSON ANNE MACMASTER 1310 PINE AVE W MTL ARTIFERRAL KNOCKAHOLLET CO ANTRIM N IRELAND	B L S 1 VI 4 0334
CARSON CAROLINE JEAN E 5268 COTE ST ANTOINE RD APT 5 MONTREAL 28 QUE	B SC P OT 1 HU 8 2475
CARSON SUSAN CLAIR 4986 VICTORIA AVE MONTREAL QUE	B A 1 RE 8 2436
CARSWELL MAUREEN ANNE 425 BIRCH ST ST LAMBERT QUE	B SC P OT 1 OR 1 3702
CARSWELL ROBERT SHANNON 690 SHERBROOKE W MTL 46 MTEE STE MARIE STE ANNE DE BELLEVUE QUE	B C L 1 AV 8 2246
CARSWELL WILLIAM K E 3310 SOMERSET RD ST LAURENT QUE	B ENG PHY 3 FE 4 9064
CARTER DAVID DOUGLAS HALL RESCARTES 6 302 MEXICO 5 D F MEXICO	B COM 1
CARTER JOHN CHARTERIS H 1116 ELGIN TERR APT 301 MONTREAL QUE	M SC 2 VI 5 6857
CARTLAND LINDA ANN 4340 PRINCE OF WALES AVE MONTREAL QUE	2 TCHRS 1 HU 6 4374
CARVALHO MARIO E F C 3430 DRUMMOND ST MTL P O BOX 3134 KAMPALA UGANDA B E AFRICA	B ARCH 4 VI 2 0789
CASEY CHARLES ARTHUR 528 LANSDOWNE AVE MONTREAL QUE	D D S 3 WE 7 4088
CASEY DONALD JOSEPH MACDONALD COLLEGE 528 LANSDOWNE AVE W MONTREAL QUE	B SC AGR 1
CASEY PATRICIA ANN 5719 COTE ST ANTOINE RD MONTREAL QUE	B A 2 HU 6 9818
CASPI VIVETTE CLAIRE ROYAL VICTORIA COLLEGE APARTADO 4626 ESTE CARACAS VENEZUELA	B SC 2 VI 2 0334
CASSAN STANLEY 1252 DUCHARME AVE MONTREAL 8 QUE	MD CM 3 CR 4 4757
CASSIDY BARBARA BRIERLEY 4379 PARTHENAIS ST MONTREAL QUE	B A 1 LA 1 6737
CASSIDY LINDA ANNE 5 LOGAN AVE APT 15 ST LAMBERT QUE	B A 3 OR 1 3504
CASSILS JAMES A 3027 CEDER AVE MONTREAL QUE	B A 3 WE 4 1124
CASSILS JOHN GILMOUR 3027 CEDAR AVE MONTREAL QUE	B SC 4 WE 4 1124
CASSON GEORGE MACDONALD MACDONALD COLLEGE 18 MUIR ST TRURO N S	B SC AGR 3
CASTRACANE MARIO 2246 OXFORD AVE MONTREAL 28 QUE	B ENG 1 HU 8 9240
CATCHPOLE RAYMOND F J 3575 JEANNE MANCE APT 6 45 MCCANN ST SMITHS FALLS ONT	B ARCH 2 AV 8 9984
CATELLIER ROBERT 6510 38TH AVE MONTREAL 36 QUE	B SC 2 RA 7 8341
CATTELL SIDNEY ALLEN 3466 SHUTER ST MTL 4358 BRIDGEVIEW DR OAKLAND CALIF USA	B SC 3 AV 8 7773
CATTO GERALD NOEL JOHN BOX 88 VAUDREUIL TERR QUE	B ENG MCH 5 GL 3 2121
CATY JOSEPH JOHN C 3647 UNIVERSITY ST MTL ROSS MINE HOLTYRE ONT	B COM 2 AV 8 1473
CAUCHY VENANT 81 PLACE MONTMORENCY LAVAL DES RAPIDES QUE	GRAD QUAL 1 NU 1 3791
CAULFEILD DAVID ARTHUR 3473 UNIVERSITY ST MTL 50 ORANGE ST SAINT JOHN N B	B ARCH 2 VI 9 1791
CAVANAGH NANCY LYNNE 661 GROSVENOR AVE WESTMOUNT QUE	B A 2 HU 9 0564
CAVE RONALD GEOFFREY 63 PROSPECT AVE WSTMT WINDERMERE BRITTONS HILL CL CL BARBADOS W I	B COM 2 WE 3 6110
CAYA LEOLA ANTOINETTE MACDONALD COLLEGE 76 CHATHAM ST LACHUTE QUE	B ED 2
CAYNE ROBERT DAVID 4655 GROSVENOR AVE MONTREAL QUE	B A 1 HU 8 5129
CAYNE RONALD E 4655 GROSVENOR AVE MONTREAL QUE	B SC 3 HU 8 5129
CEDERBAUM LUCY SUSAN 5425 ESPLANADE AVE MONTREAL 14 QUE	B A 1 CR 6 5385
CENTENO JOSE LUIS VERDUN PROTESTANT HOSP 9 ORIENTE NO 1 DPT 3 PUEBLA PUE MEXICO	MED DIP 2 PO 6 8511
CERIGO GEORGE GERASSIMO 5268 BESSBOROUGH AVE MONTREAL QUE	M A 2 HU 9 3941
CERMAK IVAN ANTHONY 2450 MADISON MONTREAL QUE	B ENG EL 3 HU 9 0839
CHABOT DAVID LOUIS 2047 MCGILL COLLEGE AVE 49 CHRYSLER AVE OTTAWA ONT	B ARCH 6 VI 9 0029
CHABOT JAN 3663 LORNE CRES APT 2 LOCUSGAARD HARLOCIE DENMARK	B COM 3 VI 4 6086
CHABROL JOHN GERARD D 3737 HUTCHISON ST APT 4 MONTREAL 18 QUE	M SC 1 VI 9 7950
CHADWICK DOLORES DIANE 5174 WESTBURY AVE MONTREAL 29 QUE	B SC 4 HU 6 2621
CHAFFEY CHARLES ELSWOOD 3637 UNIVERSITY ST MTL 210 MONTROSE ST WINNIPEG 9 MAN	B SC 4 VI 9 1736
CHAFFEY JOHN TAFT 3484 DUROCHER ST APT 110 185 CENTRAL AVE PACIFIC GROVE CALIF USA	MD CM 1 VI 5 9549
CHAGNON JEAN YVES 1619 LAJOIE MONTREAL 8 QUE	PH D 2 CR 1 8823

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CHAIKELSON MORTIMER 5893 CLANRANALD MONTREAL 29 QUE	B A 1 RE 3 6073
CHAIT JONATHAN S 4900 VICTORIA AVE MONTREAL QUE	B A 1 HU 4 3785
CHAIT ZELDA JEAN 62 ROXTON CRES MONTREAL WEST QUE	B A 3 HU 8 8182
CHALLIES GEORGE B 208 CHESTER AVE MONTREAL 16 QUE	B ARCH 3 RE 8 5779
CHALLIES NANCY AGNES 208 CHESTER AVE TOWN OF MT ROYAL QUE	B A 1 RE 8 5779
CHALONER GILLIAN MARY ROYAL VICTORIA COLLEGE 535 EAST 14TH ST NEW YORK 9 N Y USA	B SC 3 VI 2 0334
CHALONER JOAN FRANCES STEWART HALL 535 EAST 14TH ST NEW YORK 9 N Y USA	B ED 1
CHAMPNESS CLIFFORD HARRY 7167 DAVID ST APT 4 VERDUN QUE	PH D 3 PO 8 2322
CHAN ALICE M 3537 UNIVERSITY ST MTL 3 OBSERVATORY RD 1ST FL KOWLOON HONG KONG	MD CM 3 VI 9 8447
CHAN ANTHONY SHIU KAU 2019 STANLEY ST APT U4 5 LINCOLN RD KOWLOON TONG HONG KONG	B ENG MCH 5 VI 5 4649
CHAN FRANCIS S M 3442 DUROCHER ST APT 5 5 LINCOLN RD KOWLOON TONG HONG KONG	B SC 4 VI 4 0464
CHAN FRANKLIN HEI CHING 3539 ST FAMILLE MTL 163 THIRD ST WEST POINT HONG KONG	B ENG EL 4 AV 8 3005
CHAN GEORGE Y F 3541 SHUTER ST MTL 736 NATHAN RD 1ST FL KOWLOON HONG KONG	B SC 3
CHAN GODFREY CHAN KAI YEE 3536 DUROCHER ST MTL 27 KIMBERLEY RD KOWLOON HONG KONG	B SC 2 VI 4 0717
CHAN HENRY 5128 ST URBAIN ST MONTREAL QUE	B ENG MCH 4 CR 9 9229
CHAN HENRY SHIU HON 3561 DUROCHER ST APT 2 55 FORT ST GR FL NORTH POINT HONG KONG	B ENG EL 4 AV 8 2989
CHAN KING SING 1090 CHENEVILLE ST MONTREAL QUE	B A 2 UN 1 2042
CHAN KOON KAY 3715 DROLET ST MONTREAL QUE	B SC 4 VI 4 7339
CHAN LONG WAH 3611 HUTCHISON ST MTL 22 LEKIR RD SITIAWAN PERAK MALAYA	B ENG 2 VI 4 0879
CHAN MENG YUEN 3512 SHUTER ST MTL 3 AV ALMEIDA RIBEIRO MACAO	B ENG EL 4
CHAN OSWALD ROBERT 500 W PINE AVE MONTREAL QUE	B SC 1
CHAN PANG LING 3610 DUROCHER ST APT 12A 8 COMFORT TERR KING S RD HONG KONG	MD CM 3 VI 9 5035
CHAN PETER WAI TOY 1001 SHERBROOKE ST W MTL 25 TASCHEREAU ST W ROUYN QUE	B SC 1 VI 4 0811
CHAN SHIU CHEUNG JOSEPH 627 MILTON ST APT 3 MTL 1 STEWART RD 1ST FL HONG KONG	MD CM 1 AV 8 4581
CHAN TSIU CHIU 3651 DUROCHER ST APT 16 782 784 ANUWONGSE RD BANGKOK THAILAND	B ENG PHY 5
CHAN VINCENT ON WAH 1440 CRESCENT ST APT 5 3 WAI YUEN HAMMER HILL RD HONG KONG	B ARCH 5 VI 9 0140
CHANCE HUGH NICHOLAS 3500 SHUTER ST APT 5 CROSS BANK CLENT STOURBRIDGE WORCESTERSHIRE ENGLAND	B ENG 2 VI 5 3926
CHANCE MARTIN ALAN 332 CHESTER AVE MONTREAL 16 QUE	B ENG 2 RE 8 9675
CHANDLER SHELDON HARVEY 4849 MELROSE AVE MONTREAL QUE	B ARCH 4 HU 1 4147
CHANG ASTLEY S 2985 BEDFORD RD APT 18 MONTREAL QUE	B SC 3
CHANG HANG SHING 5022 WESTHILL AVE MONTREAL QUE	PH D 4 HU 8 2974
CHANG REN KONG P O BOX 30 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 2
CHANG THOMAS MING SWI 3630 DUROCHER APT 34 MTL 1 CORNWALL ST KOWLOON HONG KONG	MD CM 4 VI 5 3552
CHANIN CAROLE 2302 GOYER RD MONTREAL QUE	B A 1 RE 7 1647
CHANKOWSKY SOLOMON 6272 MCLYNN MONTREAL QUE	B COM 2 RE 1 2094
CHANT PHILIP JOHN 205 SUNNYSIDE ST ROSEMERE QUE	B ENG 1 NA 5 4302
CHAPMAN BROADWITH N P 4600 MELROSE AVE MONTREAL QUE	B SC 1 HU 1 9207
CHAPMAN DAVID ROBERT M DOUGLAS HALL CHERRYTREE CLEADOU SUNDERLAND CO DURHAM ENGLAND	B COM 1
CHAPUT MARIE MELANIE ENID 4118 WESTERN AVE APT 6 WESTMOUNT QUE	M S W 2 WE 5 0815
CHAREST CLAUDE 421 PRINCE ARTHUR ST W WILLIAM ST HAWKESBURY ONT	B SC 4 VI 5 8370
CHARETTE GILLES GAETAN 3516 LORNE AVE APT 3 MTL 137 DRINKWATER ST SUDBURY ONT	B ENG MET 3 VI 5 8330
CHARI SAMAVEDAM RANGA 510 PINE AVE WEST MONTREAL QUE	M SC 1 VI 4 6311

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CHARLAP MONROE ALLAN 2990 SOISSONS AVE MONTREAL 26 QUE	B A 3 RE 8 1817
CHARLEBOIS MARIE CLAIRE 890 MARLBORO DR TOWN OF MT ROYAL QUE	B A 1 RE 8 2348
CHARLES DAVID NOEL HUGHES 48 WINDSOR AVE WESTMOUNT QUE	B SC 4 HU 6 0224
CHARLES SALLY MAUD G ROYAL VICTORIA COLLEGE 29 SMERDON ST HAWKESBURY ONT	B SC 3 VI 2 0113
CHARNEY ISRAEL 6292 DE VIMY MONTREAL QUE	B A 2 RE 8 7452
CHARNEY MORRIS 6292 DE VIMY AVE MONTREAL 8 QUE	B ARCH 5 RE 8 7452
CHARTERIS JOAN NANCY 1575 SUMMERHILL AVE APT 414 MONTREAL QUE	PH D 3 WE 2 9841
CHATEL GILLES 717 ROCKLAND MONTREAL 8 QUE	B C L 4 CR 1 9608
CHATLAND CLARE L ROYAL VICTORIA COLLEGE 23311 MORA GLEN DR LOS ALTOS HILLS CALIF USA	B SC 3 VI 2 0477
CHAU LEUNG CHUEN 3537 SHUTER ST APT 3 MTL 18 CIRCULAR PATHWAY HONG KONG	M A 1 VI 9 3946
CHAUVIN LINDA ELIZABETH 46 DOBIE AVE MONTREAL 16 QUE	B SC P OT 2 RE 8 8417
CHEASLEY CLIFFORD S 7 RENNIE AVE MONTREAL WEST QUE	B C L 2 HU 4 6262
CHEN PERCIVAL HENRY BRITTAIN HALL DUNCANS P O TRELAWNY JAMAICA	B SC AGR 3
CHEN RAYMOND CHUNG H 3438 DUROCHER ST APT 4 44 PRINTING HOUSE DUDDELL ST HONG KONG	B ENG CIV 4 VI 4 0415
CHEN ROGER IGNATIUS 4455 DUPUIS AVE MTL 50A MOLYNES RD KINGSTON 10 JAMAICA W I	B ENG 1
CHEN WELLINGTON PAUL 4455 DUPUIS AVE APT 7 50A MOLYNES RD KINGSTON 10 JAMAICA W I	M ENG 1 RE 1 5213
CHEN YUNG CHEUNG PHILIP 2052 JEANNE MANCE ST MTL 4 PRAT AVE 3RD FL KOWLOON HONG KONG	B SC 2 AV 8 1019
CHENG LINCOLN HON GAY 3445 PEEL ST MTL 17 YUK SAU ST 2ND FL HAPPY VALLEY HONG KONG	M ARCH 1 VI 5 9462
CHENG LUNG ENGINEERING BLDG RM 368 NO 8 LANE 230 HOPING E RD SECTION 1 TAIPEI TAIWAN CHINA	M ENG 2
CHENG SHUN CHEUNG 3518 CLARK ST MTL 16 QUEENS RD HONG KONG	B SC 4 VI 5 9073
CHENG SHUN YUE 3539 HUTCHISON ST MTL 58 TAI HANG RD GR FL HONG KONG	B COM 3 VI 5 8791
CHENGT TZE SHEEN SELWYN STE ANNE DE BELLEVUE 435 NELSON ST OTTAWA ONT	B SC AGR 2
CHENNELL JOAN MARGARET 17 MORRISON AVE MONTREAL 16 QUE	B SC 1 RE 8 5492
CHEPURNIY NICOLAS 4284 ST URBAIN ST MONTREAL 18 QUE	B SC 2 VI 5 5333
CHERNIAVSKY FELIX B 3616 OXENDEN ST MONTREAL QUE	B A 2 VI 9 1733
CHERVU LAKSHMAN RAO CHEMISTRY DEPT RADIOCHEMISTRY DIVISION ATOMIC ENERGY ESTABLISH TROMBAY BOMBAY 73 INDIA	PH D 2
CHESSER JACK FARRELL 34 ST PATRICK ST CHATEAUGUAY QUE	B ENG CIV 4 OX 2 4614
CHEUNG DAVID TUNG CHEE 2076 JEANNE MANCE MTL 196 JAVA RD 3RD FL HONG KONG	B SC 3
CHEUNG LILY SO KING 3537 UNIVERSITY ST MTL 31A GRANVILLE RD 2ND FL KOWLOON HONG KONG	MD CM 2 VI 9 8447
CHEUNG MO TSING MIRANDA ROYAL VICTORIA COLLEGE 31A GRANVILLE RD 2ND FL KOWLOON HONG KONG	B SC 2
CHEVASSUS GERARD G 1114 ELGIN TERRACE APT 301 MONTREAL QUE	B ENG EL 4 VI 2 1680
CHEW TING WAI 3455 STE FAMILLE MTL 198 TAI PO RD HONG KONG	B ENG CIV 5 VI 5 4613
CHHURA SORINDER MOHAN 2049 MCGILL COLLEGE APT 7 MTL 4581 4TH ST L ABORD A PLOUFFE QUE	B ENG 2 MU 1 2492
CHIANG DANIEL NEWMAN CLUB PEEL ST MTL 34 KIMBERLEY ST 2ND FL KOWLOON HONG KONG	B SC 1
CHIANG HAVEN 1441 DRUMMOND ST MTL 161 STEWART ST OTTAWA ONT	B L S 1 VI 9 4171
CHIANG PATRICK JING W 1441 DRUMMOND ST MTL 33 MODY RD GR FL KOWLOON HONG KONG	B SC 4
CHIARELLA PHILIP VINCENT 1898 DUBOIS ST MONTREAL 20 QUE	B SC 1 RE 8 9170
CHICDYNE SHARON J MACDONALD COLLEGE BARAGHOIS WEST GASPE CO QUE	3 TCHRS 1
CHIK LAI CHUEN ALBERT 3515 JEANNE MANCE MTL 124 BOUNDARY ST SECOND FL KOWLOON HONG KONG	B ENG 1 VI 9 0498
CHIK LAWRENCE L C 3515 JEANNE MANCE APT 8 124 BOUNDARY ST 2ND FL KOWLOON HONG KONG	B ENG EL 4 VI 9 0498
CHILAKOS JOHN HUT C22 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CHIN DANIEL CYRIL 1441 DRUMMOND ST MTL 18 EAST ST KINGSTON P O JAMAICA W I	B SC 2
CHIN DAVID TARE WONG 3788 CITY HALL AVE MTL 368 MAIN ST YARMOUTH N S	B ENG EL 5 AV 8 7592
CHIN HARRY LIVINGSTON 2960 GOYER APT 22 MTL FALMOUTH P O JAMAICA W I	B ENG CIV 3
CHIN OSCAR JAMES 3515 SHUTER MTL TRELAWNY BAKERY DUKE ST FALMOUTH JAMAICA W I	B SC 2
CHIN WASHINGTON 3549 LORNE AVE MTL 33 ST JAMES ST MONTEGO BAY JAMAICA W I	B SC 2 VI 9 0671
CHISHOLM IAN ALEXANDER 151 DUNRAE AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 8 2266
CHISHOLM WILLIAM JOHN T MACDONALD COLLEGE BOX 026 INGERSOLL ONT	B SC AGR 2 GL 3 1828
CHISLETT ANN JOCELYN 2175 HANOVER RD TOWN OF MT ROYAL QUE	B SC P OT 2 RE 8 5481
CHIU KEVIN KAM 3697 ST FAMILLE MTL 34L BRAGA CIRCUIT 2ND FL KOWLOON HONG KONG	B SC 3
CHIU MAN YIU HARRISON 2029 METCALFE APT 9 328 LOCKHART RD 3RD FL HONG KONG	B COM 3
CHIU SYLVESTER SHIN YAT 10267 ST FIRMIN ST MTL 69 E ROBINSON RD GROUND FL HONG KONG	MD CM 1
CHO CHU CLAUD BERNARD 3549 LORNE AVE MTL 87 ROBB & ALEXANDER STS LACYTOWN GEORGETOWN BRITISH GUIANA	B SC 4 VI 5 0691
CHODAT DAVID WILLIAM H 100 JASPER RD BEACONSFIELD QUE	2 TCHRS 1
CHODOS ALAN AVRUM 780 STUART AVE OUTREMONT 8 QUE	B A 1 CR 9 8087
CHODOS RALPH BARNETT 4755 MERIDIAN AVE MONTREAL QUE	B COM 1 HU 1 6764
CHOPRA SHIVDARSHAN LAL P O BOX 176 MACDONALD COLLEGE C O MR J N CHOPRA MALKANA ST KAPURTHALA PUNJAB INDIA	M SC 1
CHOQUETTE PASCALE MARIE C 36 GRANVILLE RD HAMPSTEAD QUE	PARTIAL HU 1 7528
CHORNEY IVAN ALEXANDER 4850 COTE ST LUC RD APT 54 MONTREAL QUE	B A 1 HU 1 2192
CHOW TSIN ALICE 3541 SHUTER ST APT 8 MTL 16 JORDAN RD KOWLOON HONG KONG	B SC 3 VI 2 0892
CHOW WESLEY WAYNE 3541 SHUTER ST MTL 41 CECIL ST TORONTO ONT	B SC 2 VI 2 0892
CHOY TZE CHONG LAWRENCE 3516 SHUTER ST APT 9MTL 360 UN CHAU ST GR FL HONG KONG	B ENG 2
CHRETIEN MICHEL 945 BLVD ST JOSEPH BOX 9 MONTREAL QUE	M SC 1 CR 4 7111
CHRISTENSEN DAVID ALBERT BOX 128 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 2
CHRISTENSEN HILDA C 3528 SHUTER ST APT 3 MONTREAL QUE	M A 1 AV 8 3063
CHRISTENSEN ROSEMARY L 1509 SHERBROOKE ST W MONTREAL QUE	B A 1 WE 2 0484
CHRISTIE DAVID JAMES 3417A HUTCHISON ST APT 5 ANDRES PUYOL 1639 MONTEVIDEO URUGUAY	B COM 2
CHRISTIE DUGALD E 1 BELVEDERE RD MONTREAL 6 QUE	B SC 3 WE 3 6120
CHRISTIE JANET E 1 BELVEDERE RD WESTMOUNT QUE	MD CM 3 WE 3 6120
CHRISTIE JOYCE MARY 1 BELVEDERE RD WESTMOUNT QUE	PARTIAL WE 3 6120
CHRISTIE MARY ELIZABETH 6785 LASALLE BLVD VERDUN QUE	B N 2 PO 6 8511
CHRISTMAS VICTORIA ANNE 44 ACADEMY RD WESTMOUNT QUE	B SC 1 WE 3 9406
CHRUSCICKI ROBERT KARL 500 PINE AVE W MTL 1536 LINCOLN AVE UTICA NEW YORK USA	D D S 1
CHU DAH CHANG D 3517 HUTCHISON ST MTL 10 TAI HANG RD 1ST FL HONG KONG	B SC 4 VI 9 0109
CHU DAVID HING KWEI 3537 SHUTER ST APT 3 MTL 78 BELCHER GARDENS POKFULAM RD HONG KONG	MD CM 2 VI 9 3946
CHUN JUNG YOUL QUEEN MARY VET HOSPITAL 2 6 3RD ST MYOUNG RYUNG DONG SEOUL KOREA	MED DIP 1 RE 9 9481
CHUNG TACK MICHAEL 3488 SHUTER ST MTL 19 ARIAPITA AVE PORT OF SPAIN TRINIDAD W I	B SC 3 VI 4 7548
CHUNG YIN LAP 3655 JEANNE MANCE ST MTL 267 DES VOEUX RD C HONG KONG	B ENG CIV 4 VI 5 1345
CHUPRUN TERRY PHILLIP 1220 CARDINAL ST ST LAURENT QUE	B ED PED 3 RI 7 5828
CIAMARRO ANGELO 7134 CLARK ST MONTREAL QUE	B ENG 2 CR 9 7467
CICIRELLO GIACOMO 10305 WAVERLEY ST MONTREAL QUE	B A 2 DU 1 5380
CINCIK VLADIMIR GEORGE 2038 CITY HALL AVE MONTREAL 18 QUE	B A 2 VI 4 4274

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CIOPPA FORREST J C DOUGLAS HALL 17 WEST PINE ST AUBURNDALE 66 MASS USA	MD CM 3
CIOTOLA GEORGES J 155 MOZART AVE E MONTREAL QUE	MD CM 1 CR 6 5597
CIPRICK WILLIAM JOHN 4870 MAPLEWOOD AVE APT 8 MONTREAL QUE	MED DIP 2 RE 1 5332
CITRIN DAVID WILSON HALL 24 HACHIYAMA CHO SHIBUYA KU TOKYO JAPAN	B SC 1 VI 4 0624
CITRIN JACOB DOUGLAS HALL 24 HACHIYAMA SHIBUYA KU TOKYO	B A 4
CLAMAN PETER 3240 WINDSOR MTL 665 VIMY ST SHERBROOKE QUE	B SC 1 VI 2 0343
CLAMEN ALLEN 2575 GOYER ST MONTREAL QUE	B ENG CH 5 RE 9 0330
CLARAMMA KUZHIAMPLAVIL M 456 PINE AVE W MTL UDAYAGIRI ESTATE EDAMON PUNALUR KERALA INDIA	PH D 1 VI 9 6524
CLARK ALBERT FRASER 3538 HUTCHISON ST MTL R R 1 EGERTON PICTOU CO N S	PH D 1 VI 9 0611
CLARK BRUCE GEORGE 114 RADCLIFFE RD MONTREAL QUE	B A 2 HU 9 6070
CLARK ERIC LEE 6655 TERREBONNE AVE MONTREAL QUE	B C L 4 HU 9 8620
CLARK FRANK D R 812 EGAN AVE VERDUN QUE	B SC 3 PO 8 8445
CLARK JAMES BARTON 477 LANSDOWNE AVE WESTMOUNT QUE	B COM 2 WE 5 0998
CLARK JOHN HOWARD E 58 BRUCE AVE WESTMOUNT QUE	B SC 4 WE 3 5633
CLARK PAUL MOWBRAY 117 DE TOURAINE ST PREVILLE QUE	B ENG PHY 3 OR 1 2023
CLARK PETER ERIC 155 LAKEVIEW AVE PTE CLAIRE QUE	B SC 2 OX 5 4771
CLARK PETRONELLA ROYAL VICTORIA COLLEGE HINDHAYES ST SOMERSET ENGLAND	B SC 3 VI 2 0847
CLARKE BEVERLY ELIZABETH MACDONALD COLLEGE 32 BELVIDERE ST LENNOXVILLE QUE	2 TCHRS 1
CLARKE BRUCE DICKENSON 164 BROCK AVE N MONTREAL WEST QUE	B ENG 2 HU 4 9118
CLARKE JOHN GORDON 3660 PEEL ST APT 10 MTL WORTHY PARK EWARTON P O JAMAICA W I	B ENG EL 5 VI 2 2489
CLARKE JUDITH ANNE 454 CLAREMONT AVE WESTMOUNT QUE	B SC 1 HU 4 6716
CLARKE KARL CHARLES R 3641 UNIVERSITY ST MTL 242 HUNTER ST W PETERBOROUGH ONT	B SC 3 VI 9 0593
CLARKE LOREN SELBOURNE 4485 MAPLEWOOD AVE MTL ISLINGTON JAMAICA W I	B ENG CIV 4 RE 3 0460
CLARKE WILLIAM BRUCE 3508 UNIVERSITY ST MTL 32 BELVEDERE ST LENNOXVILLE QUE	B ENG MCH 4 VI 5 4873
CLARKSON WILLIAM A M MACDONALD COLLEGE LINNBURN SHANDON DUNBARTONSHIRE SCOTLAND	AGR DIP 2
CLATTENBURG ANNE 3567 HUTCHISON ST MTL 2 705 VERNON RD PHILADELPHIA 19 PA USA	GRAD QUAL 1 VI 9 8287
CLAUSEN EVERETT ALLAN 417 PRINCE ARTHUR ST W P O BOX 104 BROWNSBURG QUE	B SC 2 VI 9 9038
CLAY DEAN NORMAN 290 PRINCE ARTHUR ST W 102 7TH ST N E MEDICINE HAT ALTA	B SC 2 VI 5 7817
CLAYTON JOAN E 250 LANSDOWNE AVE WESTMOUNT QUE	B SC 4 WE 5 1084
CLEAR DOUGLAS ROSS 87 PRINCE EDWARD AVE VALOIS QUE	B SC 1
CLEARY ROBERT MICHAEL 8518 WAVERLY MONTREAL QUE	B ENG 2 DU 8 0462
CLEAVER EDWARD JOHN 2295 OXFORD AVE MONTREAL QUE	B A 3 HU 6 6587
CLEGG MARGARET EDITH 651 VICTORIA AVE WESTMOUNT QUE	H S D DIP 1 HU 6 1434
CLEGHORN AILIE M 3160 ST SULPLICE RD MONTREAL QUE	B A 3 WE 3 5000
CLEGHORN JOHN E 564 VICTORIA AVE WESTMOUNT QUE	B COM 3 HU 6 4419
CLEGHORN JOHN M 3160 ST SULPICE RD MTL 9 RIVERVIEW PL CINCINNATI OHIO USA	MED DIP 2
CLEMENT DOROTHY E 4391 WILSON MONTREAL QUE	B ED 4 HU 4 1360
CLEMENT FRANCOIS BEIQUE 3440 PEEL ST APT 16 MONTREAL QUE	B ENG MI 5 VI 9 9862
CLEMENTS PATRICIA JOAN MACDONALD COLLEGE 630 GAINSBOROUGH AVE OTTAWA ONT	B SC AGR 2
CLENMAN JOEL 5729 NORTHMOUNT AVE MONTREAL 26 QUE	B ENG EL 5 RE 3 7020
CLERMONT JAMES L 2245 LAFAYETTE VILLE JACQUES CARTIER QUEBEC	B ENG CIV 5 OR 4 7936
CLEVEN BRUCE 223 LAZARD AVE TOWN OF MT ROYAL QUE	B A 3 RE 7 3118
CLIBBON BROOKE 507 VICTORIA AVE WESTMOUNT QUE	B SC 3 WE 2 0510
CLIFF WENDY L STUART HALL 26 LANSDOWNE GARDENS PTE CLAIRE QUE	B SC H EC 3 GL 3 9095

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CLIFFORD FRANCES M LAIRD HALL 37 ROOSEVELT AVE APT 403 TOWN OF MT ROYAL QUE	2 TCHRS 2
CLIFFORD JOAN ALMA 34 GAULT ST VALLEYFIELD QUE	2 TCHRS 1
CLIFFORD WAYNE MURRAY 5361 COOLBROOK AVE MONTREAL 29 QUE	H S D DIP 1 HU 6 0293
CLIFTON MARGARET EMILY ROYAL VICTORIA COLLEGE MCPHERSONS MILLS PICTOU CO N S	B SC P OT 2 VI 2 0495
CLOSE ANTHONY DEREK 1475 CALEDONIA RD TOWN OF MT ROYAL QUE	B ENG EL 4 RE 8 3867
CLOUGH WILLIAM AUGUST 2227 FLEMING RD MONTREAL 16 QUE	B ENG CH 3 RE 7 3186
CLOUTIER WILLIAM LOUIS M 3473 UNIVERSITY ST MTL 120 ELM ST GRANBY QUE	B SC 4 VI 9 1791
CLUFF GORDON HARRY 2355 MARIETTE ST APT 447 MONTREAL QUE	M SC APP 1
COATES ANNE LAURA 3651 DUROCHER APT 7 MTL 89 LONDON ST S HAMILTON ONT	B N 2 VI 5 9472
COATES SHEILA MARGARET J MACDONALD COLLEGE R R 1 BURY QUE	3 TCHRS 1
COBRIN RHODA 4645 ST KEVIN AVE APT 4 MONTREAL QUE	B A 3 RE 3 8781
COBURN RICHARD JAMES 3660 HUTCHINSON ST MTL 14 FIRST ST CONCORD N H USA	MD CM 1 VI 9 5524
COCCIARDI PAUL EMILE 5932 CHATEAUBRIAND ST 82A DANTE ST MONTREAL 10 QUE	B ENG EL 3 CR 1 1476
COCCO JOHN MICHAEL 3741 HUTCHISON ST APT 3 35 RIVER ST MAYNARD MASS USA	MD CM 2 VI 4 8935
COCHAUX PIERRE SIMON A BOX 181 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 1 GL 3 4074
COCKBURN HAROLD PRINCE A 3524 SHUTER RM B MTL LOWMANS ST VINCENT W I	B ENG 1 VI 4 0084
COCKHILL MELVYN EDWARD 5161 QUEEN MARY RD APT 7 MONTREAL QUE	H S D DIP 1 HU 8 8194
COCKING STEPHEN WILLIAM 120 ARLINGTON AVE WESTMOUNT QUE	B C L 1 WE 7 8270
CODE BARRY LORNE 4530 MARCIL AVE MONTREAL 28 QUE	B ENG EL 4 HU 6 4565
COFFIN HAROLD GARTH MACDONALD COLLEGE R R 1 MT STEWART P E I	B SC AGR 3
COHEN ABRAHAM HASCAL 5975 WILDERTON AVE MONTREAL QUE	B ENG EL 4 RE 8 8421
COHEN ALAIN JACQUES J 1216 LAJOIE AVE OUTREMONT QUE	B A 3 CR 7 0916
COHEN DIANA 646 OUTREMONT MONTREAL QUE	B A 1 CR 6 7302
COHEN DOROTHY 5947 CLANRANALD AVE MONTREAL QUE	B SC P OT 1 RE 9 5788
COHEN DOROTHY ESTHER 5947 CLANRANALD AVE MONTREAL QUE	H S D DIP 1 RE 9 5788
COHEN EARL SIMON 642 VICTORIA AVE WESTMOUNT QUE	B A 2 HU 6 7644
COHEN ELINOR 4842 JEAN BRILLANT MONTREAL QU E	M S W 1 RE 7 6045
COHEN GERALD 5250 PARK AVE APT 1 MONTREAL QUE	B ENG EL 5 CR 7 6013
COHEN GERALD ALLAN 403 ST JOSEPH BLVD W APT 18 MONTREAL 8 QUE	B A 4 CR 7 5073
COHEN GERARD ELIE 1216 LAJOIE AVE MONTREAL QUE	B SC 3 CR 7 0916
COHEN GLENDA 4947 LACOMBE AVE MONTREAL 29 QUE	B SC P OT 1 RE 8 1963
COHEN HARRY BRUCE 3531 LORNE AVE MTL 55 PROSPECT ST ROCKVILLE CONN U S A	PH D 2 VI 9 0904
COHEN HERBERT L 4931 VICTORIA AVE MONTREAL QUE	B SC 1 HU 6 3949
COHEN HOWARD THOMAS 637 LANSDOWNE AVE WESTMOUNT QUE	B COM 4 HU 1 6740
COHEN JERALD MILTON 929 HARTLAND AVE OUTREMONT QUE	B A 2 RE 8 5030
COHEN JESSE JOHN 4615 COTE STE CATHERINE MONTREAL 26 QUE	PH D 2 RE 8 1216
COHEN JUDITH SHEILA 5715 RAND AVE MONTREAL 29 QUE	MUS B 1 HU 6 7979
COHEN LINDA 2080 SCOTT ST ST LAURENT QUE	B A 1 RI 7 3494
COHEN LORNE 5526 TRANS ISLAND MONTREAL QUE	B SC 3 RE 7 2860
COHEN MARVIN RODNEY 3508 DUROCHER MTL 1585 BOULEVARD NEW HAVEN CONN USA	D D S 1 VI 9 4352
COHEN MARYLIN 4824 GROSVENOR AVE MONTREAL QUE	B COM 1 HU 1 4711
COHEN MONROE WALLACE 3060 LINTON AVE APT 5 MONTREAL QUE	B SC 4 RE 3 9032
COHEN MORI WALTER 6381 DE VIMY AVE MONTREAL 8 QUE	B SC 2 RE 9 0281
COHEN NOAH 1019 BALL AVE MONTREAL 15 QUE	GRAD QUAL 1 CR 6 3355
COHEN PAUL BARRY 5940 MONKLAND AVE APT 12 MONTREAL QUE	B C L 2 HU 4 2646
COHEN PETER STEPHEN 4702 KENT AVE MONTREAL QUE	B SC 1 RE 8 1801

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NAME ADDRESS	COURSE & YEAR TEL. NO.
COHEN RHONA RICKEY 780 DAVAAR AVE MONTREAL QUE	B A 1 CR 2 0228
COHEN ROBERT IRWIN 5570 BRADFORD PL MONTREAL QUE	B SC 2 RE 8 9287
COHEN ROBERT RANDALL 4490 WESTERN AVE WESTMOUNT QUE	B A 1 WE 3 2021
COHEN ROCHELLE DIANA M 5015 CIRCLE RD MONTREAL QUE	M S W 2 RE 1 1903
COHEN SHARON JANE ROYAL VICTORIA COLLEGE 61 ORANGE ST SAINT JOHN N B	B A 1 VI 2 0829
COHEN SYDNEY 276 DUFFERIN RD HAMPSTEAD QUE	B SC 1 HU 4 7058
COLBY CHARLES WILLIAM 4040 TRAFALGAR RD MONTREAL QUE	B ENG MCH 4 WE 2 9685
COLBY ROBERT LOVAT 4040 TRAFALGAR RD MONTREAL 6 QUE	B SC 2 WE 2 9685
COLDEN PATRICIA ESTHER MACDONALD COLLEGE 323 BRIDGE ST E BELLEVILLE ONT	B SC H EC 1
COLE JOHN BRIAN 3633 OXENDEN AVE MTL 9 LANSDOWNE GARDENS PTE CLAIRE QUE	B ENG PHY 3 AV 8 6896
COLE NORMAN WILFRED 35 ELLERDALE RD HAMPSTEAD QUE	B ENG CIV 5 HU 4 2412
COLE PERRY WALKER 3466 SHUTER ST APT 305 10 MADRONA AVE ROSS CALIF USA	B SC 3
COLE ROY VERNON DOUGLAS HALL 11 PRINCESS AVE CORNER BROOK NFLD	B SC 3 VI 4 0977
COLEMAN AMOS JOHN MACDONALD COLLEGE 31 KING ST KENTVILLE N S	B SC AGR 3
COLEMAN BRIAN MICHAEL J 3316 MAPLEWOOD AVE MTL 29 EUCLID RD SAULT STE MARIE ONT	B ENG 1 RE 1 5913
COLEMAN JOHN CHRISTOPHER 4603 GARNIER ST MTL LATTENBELLS DITCHLING SUSSEX U K	B A 3 LA 1 0641
COLFER TERENCE WILLIAM 315 PINE BEACH BLVD DORVAL QUE	B ENG 1 ME 1 0395
COLLINS JON ALEXANDER DOUGLAS HALL 238 GAY LUSSAC ARVIDA QUE	B SC 1
COLLINS PATRICIA MARY 24 HOLTON AVE WESTMOUNT QUE	B A 1 WE 2 0889
COLLINS STEPHEN BRIGGS 3581 UNIVERSITY ST MTL P O BOX 241 BRIDGETOWN BARBADOS T W I	D D S 1 VI 9 1368
COLLINS STEPHEN JAMES F UNITED THEO COLL 10 COBALT AVE OTTAWA 1 ONT	B D 1
COLLIS JACQUELINE ANNE 3505 LINTON AVE APT 10 113 A ST OURS RD SOREL QUE	GRAD DIP 1 RE 7 2639
COLLYER JOHN WHITLEY 557 LANSDOWNE AVE WESTMOUNT QUE	B SC 2 HU 1 6153
COLMAN ARTHUR J 4866 WILSON AVE MONTREAL 29 QUE	B COM 2 HU 1 5976
COLMAN NEIL DAVID 3851 UNIVERSITY ST MTL 20 FOURTH ST ATTLEBORO MASS USA	B A 2 VI 4 0977
COLUMBUS NATHAN 1555 MCGREGOR ST MTL 3 FRUG ST TEL AVIV ISRAEL	B SC 3 WE 7 3937
COMBE HENRY CECIL 1180 DRUMMOND ST APT 22 MTL EARNSHILL HAMBRIDGE LANGPORT SOMERSET ENGLAND	B A 2 UN 1 6196
COMRIE ISOBEL AMELIA 5545 COTE ST LUC RD APT 35 MTL 91 GLEN AVE OTTAWA 1 ONT	B N 2 HU 1 8786
CONLIFFE DAVID AUGUSTINE ST MARY S CHURCH 300 ST CHARLES RD BEACONSFIELD WEST QUE	PARTIAL OX 5 6812
CONNELL MARTIN PHILIP 3441 PEEL ST MTL 500 AVENUE RD APT 1107 TORONTO ONT	B ENG 2 VI 2 4492
CONNELLY PAUL ALFRED 3581 UNIVERSITY ST MTL 2180 NICOLAS PERROT ST THREE RIVERS QUE	B SC 3 VI 9 1368
CONNELLY SUSAN PATRICIA MACDONALD COLLEGE 2180 NICOLAS PERROT THREE RIVERS QUE	2 TCHRS 2
CONNOCK JEFFERY BARTLETT DOUGLAS HALL 342 CUNNINGHAM AVE OTTAWA 1 ONT	B ENG 2
CONNOR ANN ELIZABETH ROYAL VICTORIA COLLEGE 267 JUBILEE RD HALIFAX N S	B A 4
CONNOR CLARE FRANCES MACDONALD COLLEGE 112 51ST AVE LACHINE QUE	2 TCHRS 2
CONNOR LILLIAN MARY 7550 OCTAGONAL BLVD APT 5 VILLE ST MICHEL QUE	GRAD DIP 1 RA 9 6862
CONNOR SUSAN ELEANOR ROYAL VICTORIA COLLEGE 267 JUBILEE RD HALIFAX N S	B SC P OT 1 VI 9 0030
CONNOR TERRENCE POWELL 1849 LINCOLN AVE MTL KERAMI PONTAC JERSEY C I U K	MED DIP 2
CONNORS BOYCE A 2125 MACKAY ST APT 9 MTL BOX 5 BRACEBRIDGE ONT	B A 4 VI 9 9013
CONOCHIE LARRY BLYTHE 3681 ST FAMILLE ST APT 5 34 JOHN ST GALT ONT	B SC 2 VI 5 6057
CONRADI INGER HEIBERG 326 ELLERTON AVE TOWN OF MT ROYAL QUE	B A 1 RE 7 5334

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CONSTANTIS GEORGE ANTHONY 3010 GOYER ST APT 14 MONTREAL QUE	GRAD QUAL 1 RE 9 6769
CONTANT JOHN JACOB 20570 LAKESHORE RD BAIE D URFE QUE	B SC AGR 3 GL 3 4863
CONVEY GLEN PATRICK 3465 SIMPSON ST MTL 26 DRURY ST KAPUSKASING ONT	B ARCH 4 WE 3 0968
COOK CHARLES EDWARD 81 17TH AVE ST EUSTACHE SUR LE LAC QUEBEC	B ENG 1 GR 3 3643
COOK GORDON GERALD 120 46TH AVE LACHINE QUE	B ENG 1 ME 7 0494
COOK GORDON RAYMOND MACDONALD COLLEGE 246 CARLYLE AVE TOWN OF MT ROYAL QUE	2 TCHRS 2
COOK HELEN ELIZABETH B MACDONALD COLLEGE 4653 ST URBAIN ST MONTREAL QUE	2 TCHRS 2
COOK MARY CATHARINE 30 BOURGOGNE ST FORT CHAMBLY QUE	B SC N 1 OL 8 1302
COOK ROBERT HARRY BRITTAIN HALL 3032 CHERRIER RD ILE BIZARD QUE	B SC AGR 2
COOK ROBERT JAMES 3261 FOREST HILL AVE APT 42 MONTREAL QUE	B ARCH 5
COOKE ANNE 4626 MELROSE AVE MONTREAL QUE	B A 1 HU 1 0551
COOKE CHARLES GRAHAM 3653 UNIVERSITY ST MTL 13 MURDOCH AVE NORANDA QUE	B ENG MCH 4 VI 5 2738
COOKE GILMORE GORDON 6965 45TH AVE MONTREAL QUE	B ENG EL 4 CL 6 7802
COOKSON ISABEL SARAH ROYAL VICTORIA COLLEGE BOX 868 NASSAU	B A 1 VI 2 0829
COOMBES JACQUES PETER 2 AURORA RD APT 18 PTE CLAIRE QUE	M ENG 1 OX 7 4822
COONS LORRAINE MARGARET E MACDONALD COLLEGE SOUTH MOUNTAIN DUNDAS CO ONT	2 TCHRS 1
COOPER ANTHONY JOHN M 3569 ST FAMILLE ST MONTREAL QUE	M S W 1 VI 2 2896
COOPER CALVIN GEORGE 4485 MAPLEWOOD AVE MTL P O BOX 1228 NASSAU BAHAMAS	B ENG CIV 4 RE 3 0460
COOPER GOLDIE EDITH 121 THORNTON AVE MONTREAL 16 QUE	PARTIAL RE 8 5000
COOPER JUDITH ANNE 600 VICTORIA AVE WESTMOUNT QUE	B A 1 HU 6 6169
COOPER MARY LOUISE ROYAL VICTORIA COLLEGE 42 PARK AVE OAKVILLE ONT	B A 4 VI 2 0526
COOPER MIRIAM SYLVIA 600 VICTORIA AVE MONTREAL 6 QUE	PH D 2 HU 6 6169
COOPER NATALIE HAZEL 4780 MERIDIAN AVE MONTREAL QUE	B A 4 HU 4 5788
COOPER ORA MAURINE N ROYAL VICTORIA COLLEGE P O BOX 130 HAMILTON BERMUDA	B A 2 VI 2 0327
COOPER STEPHEN D 3573 HUTCHISON ST MTL 519 E 36TH ST INDIANAPOLIS IND USA	M A 1 VI 2 0601
COOPERBERG SHARON 4962 BORDEN AVE MONTREAL QUE	B ED 2 HU 4 9544
COOPERSTEIN SIMCHA 4319 ESPLANADE AVE APT 3 MONTREAL QUE	GRAD QUAL 1 VI 4 7325
COOPERSTONE HARVEY MYRON 3926 CARLTON AVE MONTREAL QUE	B C L 4 RE 8 1083
COPE RALPH BRUCE 3473 UNIVERSITY ST MTL NORTH AUGUSTA ONT	B D 2 VI 9 1791
COPELOVITCH BERNARD C 4414 CIRCLE RD MONTREAL QUE	D D S 1 RE 8 2396
COPEMAN JOAN ANN ROYAL VICTORIA COLLEGE ROYAL MTL GOLF CLUB ILE BIZARD QUE	B SC 3 VI 9 0858
COPLAND ELEANOR P 610 VICTORIA AVE WESTMOUNT QUE	B SC P OT 3 HU 4 7434
COPLAND GEORGIA DEAN 610 VICTORIA AVE WESTMOUNT QUE	M S W 2 HU 4 7434
COPPIN JOSEPH LEROY 5255 WALKLEY AVE APT 14 MTL ELEANOR ST CHAGUANAS TRINIDAD W I	B SC 4 HU 8 7859
COPPLE MARIE ANN DALLAS 22 FINCHLEY RD HAMPSTEAD QUE	B A 1 HU 1 5112
CORBEIL JACQUES EMILE J 5767 DELORIMIER ST MONTREAL QUE	B SC 1 CR 3 2998
CORBETT MARIE CARMEL A 4100 CAVENDISH BLVD MONTREAL QUE	B A 1 HU 6 3065
CORDEAU JOAN 3777 COTE DES NEIGES APT 414 MONTREAL QUE	B A 1 WE 2 2628
CORDEN MARY ELIZABETH 86 PERCIVAL AVE MONTREAL WEST 28 QUE	M S W 1 HU 4 6226
COREY GERALD EARL 1441 DRUMMOND ST MTL BEDFORD QUE	B ED 3
CORKEN ELIZABETH 1460 MCGREGOR ST APT 505 MONTREAL 25 QUE	B A 4 VI 5 9049
CORKIN CHARLES WILSON HALL 172 WOLCOTT RD CHESTNUT HILL 67 MASS USA	B A 1
CORLETT WILLIAM 147 STRATHYRE AVE LASALLE QUE	M S W 1 PO 6 6066
CORMIER PAULE MARIE B 922 CHERRIER MONTREAL QUE	B C L 3
CORNELIUS BASIL GEORGE 3250 RIDGEWOOD AVE APT 15 MONTREAL 26 QUE	B ARCH 3 RE 9 3906

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
CORNELL MARGUERITE LOUISE 768 SHERBROOKE ST W APT 19 MONTREAL 2 QUE		B ED 3
CORNISH DONALD JOHN 352 GRENFELL AVE MONTREAL 16 QUE	RE 1 2668	B A 2
CORNISH FREDERICK GEORGE 352 GRENFELL AVE TOWN OF MT ROYAL QUE	RE 1 2668	B ENG EL 3
CORNISH JAMES BRIAN 144 THORNTON AVE TOWN OF MT ROYAL QUE	RE 3 0955	B A 2
CORP STUART WILLIAM 5419 DECARIE BLVD APT 7 MONTREAL QUE	HU 4 1082	B ENG CIV 5
CORRY JAMES GEOFFREY 3223 CEDAR AVE WESTMOUNT QUE	WE 7 0668	B COM 2
CORRY PETER MATTHEW 3223 CEDAR AVE MONTREAL QUE	WE 7 0668	PARTIAL
CORYNEN VAN NESTE GUIDO C 426 SHERBROOKE ST W APT 8 MTL DR J CORYNEN VAN NESTE BEERSE TURNHOUT ANTWERP BELGIUM	VI 5 9575	B ENG EL 3
COSGROVE WILLIAM JOSEPH 4915 PRINCE OF WALES MONTREAL 29 QUE	HU 6 2097	M ENG 2
COSTOM BRUCE HARVEY 4617 MICHEL BIBAUD RD MONTREAL QUE	RE 3 8047	B SC 2
COSTOM DOROTHIE CAROLINE 4617 MICHEL BIBAUD MONTREAL 29 QUE	RE 3 8877	B A 4
COTE JOHN E L 3440 PEEL ST APT 43 MONTREAL 2 QUE	VI 4 6278	B A 4
COTE M A YVONE 2329 ST LUKE APT 4 MONTREAL QUE	WE 5 4138	PARTIAL
COTLER IRWIN 4750 CARLTON AVE MONTREAL QUE	CR 7 1550	B A 4
COTNAM ROBERT BOLE BRITTAIN HALL R R 1 PEMBROKE ONT		B SC AGR 4
COTTON DONALD ROYAL MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE		B SC AGR 4
COUGHLIN ROBERT GREGORY 3800 WILSON AVE MONTREAL 28 QUE	HU 4 9965	B ENG EL 5
COULSON GEORGE EMERSON BRITTAIN HALL R R 1 SOUTH GILLIES ONT	GL 3 1997	AGR DIP 2
COULTER RONALD LYNNE BRITTAIN HALL R R 3 CAMPBELLVILLE ONT		B SC AGR 3
COUPEY PIERRE L M 4058 OXFORD AVE MONTREAL QUE	HU 6 5462	B A 1
COUPLAND DENIS E 690 SHERBROOKE W MONTREAL QUE	AV 8 2244	B A 3
COURAGE EDMUND KEITH 4170 KINDERSLEY AVE APT 18 MTL 1412 NE 31ST ST POMPANO BCH FLA USA	RE 1 1758	B ENG 2
COUREY NORMAN LEON 1817 VAN HORNE AVE OUTREMONT QUE	RE 8 4839	B SC MDCM 2
COURTAULD SAMUEL DOUGLAS HALL KNIGHTS FARM COLNE ENGAINE EARLS COLNE ESSEX ENGLAND		B A 1
COURTNEY JOHN BRITTAIN HALL 107 CUNNINGHAM BLVD CALGARY ALTA		B SC AGR 4
COURTOIS WILLIAM ROGER 1325 SCARBORO RD TOWN OF MT ROYAL QUE	RE 1 0503	B SC 2
COUSENS SHIRLEY 5520 VAN HORNE AVE MONTREAL QUE	RE 7 5105	2 TCHRS 2
COUSINS MARJORIE BARBARA 3500 SHUTER ST APT 2 MTL 8 UPP SANDRINGHAM AVE KINGSTON 10 JAMAICA W I	VI 4 6123	GRAD DIP 1
COVET FLORENCE 4605 ST KEVIN AVE MONTREAL QUE	RE 3 3830	B A 1
COWAN JOHN DOUGLAS BRITTAIN HALL 327 NORTH SHORE BLVD E BURLINGTON ONT		B SC AGR 2
COWANS JOHN ROBERT 17 HAMPTON GDNS LAKESIDE QUE	OX 5 9563	B ENG 2
COX ALEXANDER WILLIAM 6254 MONKLAND AVE MONTREAL 28 QUE	HU 1 2090	B COM 4
COX ROBERT GEORGE 218 CLEMENT AVE DORVAL QUE	ME 1 8496	2 TCHRS 1
CRABB GRAEME DOUGLAS 855 53RD AVE LACHINE QUE	ME 4 1704	3 TCHRS 1
CRAIG DOUGLAS BOOTH 3506 UNIVERSITY ST MTL 1495 MAPLE SHAWINIGAN QUE	VI 4 0624	B SC 4
CRAIG IAN WILSON 4362 HINGSTON AVE MONTREAL 28 QUE	HU 1 8655	B ENG EL 3
CRAIG RICHARD HOWARD 3535 DUROCHER APT 1 MTL 2600 COVE ST CORONA DEL MAR CALIF USA	VI 9 4893	M A 1
CRAIG ROBERT E L DOUGLAS HALL 6924 DIGBY RD BALTIMORE 7 MD USA		MD CM 3
CRAIG ROBERT JAMES 4551 ROSEDALE AVE MONTREAL QUE	HU 1 3140	B ENG 1
CRAIG SUSAN MARY MACDONALD COLLEGE 605 CLARKE AVE WESTMOUNT 6 QUE		B ED 2
CRAIN ERIC ROSS 71 STRATHEARN AVE N MONTREAL WEST 28 QUE	HU 1 2474	B ENG EL 4
CRAKANTHORP IAN PETER 4435 CORONATION AVE MONTREAL 28 QUE	HU 1 6295	B COM 1
CRAM DAVID R 4815 GRAND BLVD MONTREAL QUE	HU 6 3778	B ENG EL 3
CRAMER LAWRENCE L 4518 OLD ORCHARD AVE MONTREAL 28 QUE	HU 4 3664	D D S 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CRAMM BEVERLEY JOYCE ROYAL VICTORIA COLLEGE 43 MURDOCH AVE NORANDA QUE	B A 2 VI 2 0598
CRANE WILLIAM W 5950 SQUART APT 2 MTL 26 212 19TH ST OAKLAND 11 CALIF U S A	PARTIAL RE 8 6049
CRANLEY ROY 3616 SAINTE FAMILLE MONTREAL QUE	B SC 2
CRAWFORD JOHN ERIC 3241 FOREST HILL AVE APT 20 MONTREAL 26 QUE	PH D 4 RE 3 7321
CRAWFORD KARL M 3457 SHUTER ST MTL 9 REGENT PARK PTE A PIERRE TRINIDAD W I	B ENG 2 AV 8 9732
CREVIER RAYMOND R J 245 OUTREMONT AVE OUTREMONT QUE	B C L 4 CR 2 2531
CRISTEANU ILEANA SMARANDA 370 EDWARD CHARLES APT 3 MONTREAL 8 QUE	B ENG 1 CR 9 8753
CRITES RUTH EDITH 4520 HINGSTON AVE MONTREAL 28 QUE	B SC H EC 4 HU 1 1684
CROBER DONALD CURTIS BRITTAIN HALL MORRISBURG ONT	B SC AGR 4 GL 3 1997
CROCKER PAUL RICHARD 78 ROYWOOD TERR APT 5 VILLE DE LEMOYNE QUE	M SC APP 1 OR 1 0502
CROCKETT CATHERINE S MACDONALD COLLEGE 167 KING ST E ST JOHN N B	3 TCHRS 1
CROFT RACHEL ROLANDE MACDONALD COLLEGE 1955 TUPPER ST MONTREAL 25 QUE	3 TCHRS 1
CROMBIE CHARLES DAVID S 732 UPPER BELMONT WESTMOUNT QUE	B SC 2 HU 8 2808
CRONIN DAVID LEONARD R 250 SHERATON DR MONTREAL WEST 29 QUE	B ENG 2 HU 4 6432
CRONIN ROBERT FRANCIS P 762 LANSDOWNE AVE WESTMOUNT QUE	PH D 3 HU 4 1025
CROOKS PETER ANTHONY 4387 OLD ORCHARD MONTREAL 28 QUE	B ENG MCH 3 HU 1 5792
CROPPER ANNABELLE M 1617 CRAWFORD BRIDGE AVE VERDUN QUE	B SC 2 PO 8 6132
CROPPER JAMES WALLACE 1617 CRAWFORD BRIDGE AVE VERDUN QUE	B ENG EL 3 PO 8 6132
CROSBY HOWARD EDWARD 1500 STANLEY ST APT 1005 42 EDWARD ST HALIFAX N S	B C L 4 VI 5 8603
CROSS CARSON JON MACDONALD COLLEGE GLENEAGLE QUE	B SC AGR 1
CROSS PETER GARNET 500 PINE AVE W APT 7 MTL 25 CHARLES ST MARABELLA TRINIDAD W I	B SC 2
CROSS ROGER 4059 GAGE RD MONTREAL QUE	B SC 4 WE 5 8744
CROSSEY BARBARA ISABEL J 5098 DOHERTY AVE MONTREAL 29 QUE	PARTIAL HU 4 5951
CROSSLAND DOROTHY MARY 15 11TH AVE ROXBORO QUE	B L S 1 MU 4 4319
CROWELL DOUGLAS ETHAN 5042 RANDALL AVE MONTREAL 29 QUE	MED DIP 2 HU 1 3285
CRUM EWING DAVID COLIN BRITTAIN HALL KNOCKPATRICK P O JAMAICA W I	B SC AGR 2 GL 3 1828
CRUTCHLOW CHARLES F 74 EASTON AVE MONTREAL WEST QUE	B A 1 HU 1 2281
CRYSTAL HYMAN JOSEPH 6382 MCLYNN AVE MONTREAL QUE	B A 2 RE 3 3829
CSORBA THOMAS ROBERT 4864 BESSBOROUGH AVE MONTREAL QUE	M SC 1 HU 9 9883
CSORGO MIKLOS 3528 LORNE AVE APT 8 MONTREAL 18 QUE	M A 2
CUBITT IAN LESLIE MACDONALD COLLEGE 21 WOODFIELD LN ASHTEAD SURREY ENGLAND	B SC AGR 3
CUDNEY LYNN BEVERLY 93 PRINCE EDWARD AVE VALOIS QUE	B ED P ED 1 OX 7 0647
CULLEN GARY MICHAEL E J 4602 DELORIMIER AVE MONTREAL QUE	B A 3 LA 2 5558
CULLEN HAZEL FLORENCE MACDONALD COLLEGE R R 5 ORMSTOWN QUE	B SC H EC 2
CULLEY ERIC KENNETH 8 SPRINGFIELD AVE WESTMOUNT QUE	B ENG 2 WE 2 4354
CULLINAN LOUIS VINCENT 680 LAURENTIAN BLVD ST LAURENT QUE	MED DIP 3 RI 7 7151
CUMMING PAULINE EMBREE 706 UPPER ROSLYN AVE MONTREAL 6 QUE	B A 2 HU 6 9963
CUMMINGS INA ETHEL 495 PRINCE ARTHUR ST APT 12 MTL SAWYERVILLE QUE	MD CM 1
CUMMINGS LINDA DALE 9 BRAESIDE PL WESTMOUNT QUE	B A 1 WE 2 0056
CUMYN ADAM PETER FRANCIS 3605 UNIVERSITY ST MTL 224 SENNEVILLE RD SENNEVILLE QUE	B A 3 AV 8 0643
CUNARD THOMAS LESLIE E 156 MILLHAVEN AVE PTE CLAIRE QUE	B ENG 2 OX 5 6563
CUNDILL JEAN REAY 49 FORDEN AVE WESTMOUNT QUE	B A 1 WE 5 6119
CUNNINGHAM HAROLD P DOUGLAS HALL R R 3 LEAMINGTON ONT	MD CM 4
CUNNINGHAM JANE CLARK 260 BROCK AVE MONTREAL WEST QUE	B ED 3 HU 4 7879
CUPCHIK WILLIAM 3850 COTE STE CATHERINE APT 4 MONTREAL QUE	B ENG EL 5 RE 3 0129

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NAME ADDRESS	COURSE & YEAR TEL. NO.
CUPCHIK ZENDA 3850 COTE ST CATHERINE APT 4 MONTREAL QUE	B C L 3 RE 3 0129
CURLEY RICHARD TURNER 3557 GORNE AVE APT 9 MTL FISK ST WEST DENNIS MASS USA	MD CM 1 VI 4 8754
CURNEW ANGELA MARY 2945 BEDFORD RD APT 2 MONTREAL 26 QUE	M S W 1 RE 7 7496
CURREN FRANKLIN CLARKE 3660 LORNE CRES MTL 789 PARK AVE CRANSTON R I USA	MD CM 1 VI 9 1042
CURRIE MARGARET ADELE MACDONALD COLLEGE P O BOX 638 HUNTINGDON QUE	2 TCHRS 1
CURRIE MARIANNE P ROYAL VICTORIA COLLEGE 120 ROSEDALE VALLEY RD TORONTO 5 ONT	B A 3 VI 2 0113
CURRIE RICHARD NEIL 3482 MCTAVISH ST MTL 19 ARCADE ST WHITINSVILLE MASS USA	B A 2
CURTIES COLIN GEORGE 3508 UNIVERSITY ST MTL UNITED CHURCH PARSONAGE OXFORD MILLS ONT	PARTIAL VI 5 4873
CURTIS JANICE HELEN MACDONALD COLLEGE R R 1 MAGOG QUE	B ED 1
CURTIS JEAN LESLIE SEATH 884 BERTRAND AVE ST LAURENT QUE	2 TCHRS 1 RI 4 2339
CURTIS RONALD BERNARD B 3281 FOREST HILL RD APT 42 MTL 74 BANFF RD TORONTO ONT	MED DIP 2 RE 1 5440
CURWOOD JAMES ARTHUR 61 BELVEDERE CIRCLE WESTMOUNT QUE	B A 1 WE 5 3658
CUSHING MARIAN CATHERINE 367 KITCHENER AVE MONTREAL 6 QUE	MD CM 1 HU 6 4908
CUSMARIU RICKY RAOUL 4631 LACOMBE AVE MONTREAL QUE	B COM 1 RE 1 0579
CUTLER JUDITH 120 LE CAVALIER ST LAURENT QUE	B A 3 RI 4 3261
CUTLER LAWRENCE ROBERT 2015 NORMAN ST ST LAURENT QUE	B COM 1 FE 4 7798
CUTTELL RICHARD JOHN MACDONALD COLLEGE 999 BELLERIVE BLVD JACQUES CARTIER QUE	2 TCHRS 1
CYTRYNBAUM MICHAEL 5240 WESTBURY MONTREAL QUE	B A 3 HU 4 6330
CYTRYNBAUM STANLEY LOUIS 5709 PALMER AVE COTE ST LUC QUE	M A 1 HU 4 6745

D

DAGLI DINESHCHANDRA M 81 NANUBHAI DESAI RD MANIBHUVAN BOMBAY 4 INDIA	B ENG 2
DAHL CARL JOSEPH MACDONALD COLLEGE 16 LAPTHORN AVE CHARLOTTETOWN P E I	B SC AGR 3
DAHL KLAUS JOACHIM 456 PINE AVE W APT 3 MONTREAL QUE BERLIN HASELHORST LUDENSCHEIDER WEG 8C GERMANY	B SC 2 VI 2 7617
DAHMS PATRICIA MAY MACDONALD COLLEGE HUNTINGDON QUE	B ED 2
DAINOW PEARL CAROL 4355 MADISON MONTREAL QUE	B SC P OT 1 HU 4 4081
DAINOW REBECCA 4355 MADISON AVE MONTREAL 28 QUE	M S W 1 HU 4 4081
DALBEC PETER RONALD J 4056 PARC LAFONTAINE MONTREAL QUE	B ENG MET 4 LA 4 3979
DALCHAU ALDEWIN PETER 1014 BROWN BLVD MTL BOX 381 REDCLIFF ALTA	B ENG EL 3 PO 7 5886
DALES ROBERT JOHN 1823 CANORA RD TOWN OF MT ROYAL QUE	B SC 3 RE 3 6383
DALFEN BEN ZION 4126 CUNARD AVE MONTREAL QUE	M S W 2 RE 7 8124
DALFEN CHARLES MARVIN 402 TRENTON AVE TOWN OF MT ROYAL QUE	B A 1 RE 7 1538
DALFEN SHEILA MIRIAM 2465 MAJOR ST ST LAURENT QUE	B SC 3 RI 8 8125
DALGARD JOHN WALTER 2150 MACKAY ST MTL 9 WATEREDGE AVE PTE CLAIRE QUE	B A 3 WE 7 8659
DALIBARD JACQUES RENE M 1205 CRESCENT APT 8 MONTREAL QUE	B ARCH 3 UN 6 5128
DALIBARD JILL EULALIE 1205 CRESCENT APT 8 MONTREAL QUE	M A 1 UN 6 5128
DALLAIRE LOUIS MARCEL J MTL CHILDREN S HOSPITAL 336 DE LA COLOMBIERE E APT 5 QUEBEC QUE	PH D 1 WE 7 8511
DALLAS STEPHEN HENRY DOUGLAS HALL P O BOX 75 HAMILTON BERMUDA	B COM 2 VI 5 7355
DALPHY LAWRENCE R 109 MICHIGAN AVE VALOIS QUE	AGR DIP 1 OX 7 2822
DALY DENIS BENJAMIN 2457 NOTRE DAME ST W MONTREAL QUE	B SC AGR 2
DALYS EDWIN 4950 DE LA PELTRIE ST MONTREAL QUE	H S D DIP 1 RE 8 5332
DAMESHEK EARL FRED 2170 SCOTT AVE ST LAURENT QUE	B A 4 RI 7 5951
D AMOURS HUBERT CLAUDE 5361 DUQUETTE MONTREAL 28 QUE	B ENG MET 4 HU 6 0298
DAMTE MASSALE 3545 HUTCHISON ST MTL ADDIS ABEBA ETHIOPIA	B ENG CIV 4 VI 9 4375
DANA JOSEPH 3420 PEEL MTL 7 RUE LALO PARIS 16 FRANCE	B ENG EL 5 VI 2 0343

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DANA LUCIEN YOUSSEF 3420 PEEL ST MTL 31 RUE RAYNOUARD PARIS 16 FRANCE	B ENG EL 5 VI 2 0343
DANCEY BARBARA LOIS 725 VICTORIA DR BAIE D URFE QUE	B ED 1 GL 3 4405
DANCEY JOHN TRAVIS 4015 WILSON AVE MONTREAL 28 QUE	B SC 4 HU 4 5761
DANIEL JOYCE IRENE LAIRD HALL 4974 CONNAUGHT AVE MONTREAL 29 QUE	H S D DIP 1 GL 3 6301
DANIEL JULIE 4890 GROSVENOR AVE MONTREAL 29 QUE	B A 1 HU 9 6371
DANNACKER KEITH NORMAN 1150 LAPOINTE ST ST LAURENT QUE	B ENG 1 FE 4 6404
DANNY BRIAN HARRY 4837 MACKENZIE AVE MONTREAL QUE	B A 3 RE 7 2465
DAOUD RONALD ALFRED 4890 PLAMONDON AVE MONTREAL QUE	M A 2 RE 7 8834
DARABANER CAROLE LEE 5101 LACOMBE AVE MONTREAL QUE	B ENG CH 5 RE 7 3017
DARBE JEAN MARILYN MACDONALD COLLEGE BROME QUE	2 TCHRS 1 GL 3 9082
DARFOOR ADANE MACDONALD COLLEGE C O D K OBENG P O BOX 304 ACCRA GHANA	B SC AGR 1
DARLING LYNDA MARGARET MACDONALD COLLEGE 955 48TH AVE LACHINE QUE	2 TCHRS 2
DARLING SUSAN MARY 68 ABERDEEN AVE WESTMOUNT 6 QUE	B A 1 HU 4 2985
DARROCH JAMES HUT C 7 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	3 TCHRS 1
DARTNELL ALBERT LLOYD 6955 FIELDING AVE APT 408 MONTREAL QUE	PH D 2 HU 4 2788
DAS BEJOY SANKAR 529 PRINCE ARTHUR ST MONTREAL QUE	PH D 1 VI 4 0804
DAS NARESHWAR 3527 LORNE AVE MTL N DAS STONY RD CUTTOCK 2 ORISSA INDIA	PH D 2
DASILVA GEORGE ANGUS N 3622 DUROCHER ST APT 303 MONTREAL QUE	B SC 2
DASKALAKIS EMMANUEL P P 3462 HENRI JULIEN AVE MONTREAL 18 QUE	B ARCH 3 AV 8 0315
D AURIOL HENRY CHARLES L 4875 DUFFERIN RD APT 416 MONTREAL 29 QUE	B ENG EL 5 HU 1 9941
DAVEY DAVID FRANK 5780 WENTWORTH AVE COTE ST LUC QUE	B SC 1 HU 4 7353
DAVID DENISE LAURENCE 557 GROSVENOR AVE WESTMOUNT QUE	B C L 1 HU 8 5436
DAVID MICHAEL VICTOR 119 LECAVALIER ST ST LAURENT QUE	B A 2 RI 7 6317
DAVID ROBERT J C 119 LECAVALIER ST ST LAURENT QUE	D D S 3 RI 7 6317
DAVIDOW RUTH 1622 LAJOIE AVE OUTREMONT QUE	B A 3 CR 7 3066
DAVIDSON ALISON GLARE MACDONALD COLLEGE 345 41TH AVE LACHINE QUE	B SC H EC 1
DAVIDSON BRUCE GEORGE R 43RD ST ANDREWS RD BAIE D URFE QUE	B SC AGR 1 GL 3 2918
DAVIDSON JEFFERSON GODWYN 3582 DUROCHER ST MTL PRINCE ST ROXBOROUGH TOBAGO W I	PH D 1 VI 4 0843
DAVIDSON JOHN THOMAS 43 ST ANDREWS RD BAIE D URFEE QUE	B SC 1 GL 3 2918
DAVIDSON MARGARET JEAN 345 41ST AVE LACHINE QUE	B A 3 ME 7 5248
DAVIDSON NANCY DORIS BOX 159 STE ADELE EN HAUT QUE	2 TCHRS 1
DAVIDSON NEVILLE ANTHONY 3490 SHUTER ST APT 3 22 COLLINS GREEN AVE KINGSTON 5 JAMAICA W I	B SC 1
DAVIDSON PETER WAYNE 3971 RAMEZAY AVE MONTREAL 6 QUE	B C L 1 WE 2 5497
DAVIDSON ROBERT ALAN MACDONALD COLLEGE 8 ELM ST PORT ARTHUR ONT	P E DIP 1
DAVIES ARTHUR NELSON 4 CAMBRIDGE RD BAIE D URFE QUE	B SC AGR 3 GL 3 2930
DAVIES DONA MARI MACDONALD COLLEGE 3877 ST ZOTIQUE ST APT 4 MONTREAL QUE	3 TCHRS 1
DAVIES GEORGE EDWARD BRITTAIN HALL R R 4 HUNTINGDON QUE	AGR DIP 2 GL 3 1997
DAVIES RAYMOND 3563 UNIVERSITY ST MTL 49 UNION ST SPRINGS EXT SPRINGS TRANSVAAL S AFRICA	M SC 1 VI 5 8656
DAVIS CARLTON EARLE BRITTAIN HALL FOUR PATHS P O CLARENDON JAMAICA W I	B SC AGR 1 GL 3 1828
DAVIS DONALD WALTER 268 LOCKHART AVE TOWN OF MT ROYAL QUE	B A 2 RE 7 4749
DAVIS FREDERICK ANDREW 745 39TH AVE LACHINE QUE	MD CM 2 ME 7 5303
DAVIS FREEMA 410 DUFFERIN RD HAMPSTEAD QUE	3 TCHRS 1
DAVIS LAWRENCE 4609 HUTCHISON ST APT 2 MONTREAL QUE	B SC 3 CR 1 5802
DAVIS LESTROD ALFONSO 3514 PARK AVE MTL ST JOHNSTON VILLAGE ANTIGUA W I	MD CM 2 VI 2 0855

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DAVIS MARGARET JANE 268 LOCKHART AVE MONTREAL 16 QUE	B SC N 2 RE 7 4749
DAVIS MARY ELIZABETH 5230 MARIETTE AVE MTL UTOPIA ONT	B N 2 HU 8 9387
DAVIS MARY FRANCES 1390 DECARIE BLVD VILLE ST LAURENT QUE 130 ROSEDALE VALLEY RD APT 511 TORONTO ONT	M S W 1 RI 4 6695
DAVIS MICHAEL 5480 SNOWDON ST MONTREAL QUE	B A 3 HU 4 8610
DAVIS NANCY ANNE 538 GROSVENOR AVE WESTMOUNT 6 QUE	B A 1 WE 3 9220
DAVIS PAUL GORDON 3641 OXENDEN AVE MTL 89 WHITTIER RD MEDFORD MASS USA	B A 1 VI 5 9831
DAVIS RICHARD LUCTKAR 3484 SHUTER ST MONTREAL QUE	M A 1 VI 5 3797
DAVIS ROBERT MICHAEL 3 BELLEVUE AVE WESTMOUNT QUE	B ENG CH 4 HU 4 5251
DAWE HAZEL EVELYN ANNIE ROYAL VICTORIA COLLEGE 533 NICOLA ST KAMLOOPS B C	B A 4 VI 2 0634
DAWES DAVID HADDON 3518 DUROCHER APT 2 MTL ALEXANDRIA ONT	PH D 2 VI 9 0949
DAWNAY RUPERT PAYAN 546 MILTON ST MTL LONGPARISH HOUSE ANDOVER HANTS ENGLAND	B COM 2
DAWSON ANNE SANDRA ROYAL VICTORIA COLLEGE WILHELMINAPLEIN 3 WASSENAAC NETHERLANDS	B A 2 VI 9 0858
DAWSON JEAN ISOBEL ROYAL VICTORIA COLLEGE C O AIR DIVISION R C M P OTTAWA ONT	B SC N 2 VI 2 0847
DAWSON PETER SUTHERLAND DOUGLAS HALL P O BOX 503 BAIE COMEAU QUE	MD CM 1 VI 4 0977
DAWSON ROBERT 119 NOTRE DAME ST VALLEYFIELD QUE	B SC 1
DAXTON MARGOT BARBARA MACDONALD COLLEGE 672 GROSVENOR AVE WESTMOUNT 6 QUE	2 TCHRS 1
DAY CAROL ANN MACDONALD COLLEGE 2462 BEAUBIEN ST E MONTREAL QUE	2 TCHRS 1
DAY ELIZABETH JOAN LAIRD HALL BRECKENRIDGE QUE	B SC H EC 4 GL 3 1830
DAY JOHN JOSEPH MACDONALD COLLEGE 34 DUNDAS RD GUELPH ONT	B SC AGR 3
DAY JOHN RICHARD 3482 MCTAVISH ST MTL 134 CAMBRIDGE IROQUOIS FALLS ONT	B ENG MCH 3
DAY WILLIAM C 3440 RIDGEWOOD AVE APT 38 MONTREAL 26 QUE	PH D 3 RE 6 5194

NAME ADDRESS	COURSE & YEAR TEL. NO.
DEAN JUDITH ELLEN 955 LINDSAY AVE MONTREAL 9 QUE	B ED 4 RI 7 7060
DEAN RONALD SAMUEL 5932 BEAULIEU ST MONTREAL 20 QUE	PH D 4 PO 6 7392
DEANESLY MARGARET ROYAL VICTORIA COLLEGE 145 E FIFTH ST HINSDALE ILL USA	MD CM 4 VI 2 0847
DEARDEN ROBERT A 1180 DRUMMOND ST APT 22 DUNVEGAN CARBIS BAY ST IVES CORNWALL ENGLAND	B SC 1 UN 1 6196
DEATHE MARY ELIZABETH 7 SIMCOE AVE MONTREAL 16 QUE	B ED 3 RE 8 4115
DEBAS HAILE TESFAYE 377 PRINCE ARTHUR ST W C O UNIVERSITY COLLEGE ADDIS ABABA ETHIOPIA	MD CM 2
DEBELLE DAVID ARTHUR 570 MILTON ST APT 9 MONTREAL QUE	B ARCH 6 AV 8 8918
DE BELLE ROSS CHARLES 5950 MACDONALD AVE HAMPSTEAD QUE	B SC 2 HU 4 4108
DE BELLE SUSAN GAIL 64 SUNNYSIDE AVE MONTREAL QUE	B A 2 HU 6 1033
DE CARLO LEONARD J 3610 DUROCHER ST APT 19 161 RANDOLPH AVE JERSEY CITY N J USA	MD CM 3 VI 5 3944
DECHENE RAYMOND G 33 MAPLE DR R C A F STATION ST HUBERT QUE	B ENG CIV 4 OR 6 7309
DECKELBAUM DAVID ZAVE 77 PAGNUELO AVE OUTREMONT QUE	D D S 2 CR 3 1540
DECKELBAUM RICHARD JOSEPH 77 PAGNUELO AVE OUTREMONT QUE	B SC 2 CR 3 1540
DECZKY ANIKO ROYAL VICTORIA COLLEGE 828 MONTGOMERY ARVIDA QUE	B SC 1 VI 2 0829
DEEVY HELEN LYNNE 6512 LOUIS HEMON ST MONTREAL 35 QUE	2 TCHRS 1
DE GARDONY JULIETTE M R 4806 GROSVENOR MONTREAL QUE	B A 4 HU 1 3220
DEGROOT EMMA 586 BOURGEOIS ST MONTREAL 22 QUE	2 TCHRS 2 WE 7 0290
DE GRUCHY WALTER JOHN D 5392 O BRYAN AVE MONTREAL QUE	H S D DIP 1 HU 4 8372
DEITCHER DEBORA 2845 DARLINGTON PL APT 21 MONTREAL QUE	H S D DIP 1 RE 1 1311
DE KOOS ANDREW 5407 COTE ST ANTOINE RD MONTREAL QUE	B SC 3 HU 8 8087
DE KOOS EDMOND BALTHAZAR 5407 COTE ST ANTOINE RD MONTREAL QUE	B SC 2 HU 8 8087
DE LA ROCHE IAN ANDREW 73 JASPER RD BEACONSFIELD QUE	B SC AGR 2 OX 5 6484

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DE LEON LAURENZA ALBERTO 548 PRINCE ARTHUR W MTL AVENIDA CUBA 37 36 PANAMA R DE PANAMA	MD CM 1 VI 2 0877
DELEVANTE HORACE S BRITTAIN HALL MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 1
DELGADO CESAR A QUEEN MARY HOSPITAL 4565 QUEEN MARY RD MONTREAL QUE	MED DIP 2 RE 8 9481
DELISLE JEAN GUY 2154 MT ROYAL E APT 4 MONTREAL QUE	B ENG EL 5
DE LISSER RICHARD A 2285 ST MATHIEW ST MTL MANOR HOUSE HOTEL KINGSTON 8 JAMAICA W I	B ENG CIV 4 WE 3 7058
DEL MONACO CARLOS ANTONIO 2015 NORTHCLIFFE AVE APT 1 MTL CALLE AYACUCHO QTA CALA EL ROSAL CARACAS VENEZUELA	B SC 1 HU 8 3774
DELORME GERALD JOSEPH 711 38TH AVE LACHINE QUE	B ENG 1 ME 4 1238
DELORME JOSEPH A G P 8837 JEANNE MANCE MONTREAL QUE	M SC 1 DU 9 0258
DEMCHUK JAMES 9180 LUMSDEN ST MONTREAL 11 QUE	B COM 1 DU 9 0530
DEMERS JOSEPH JACQUES A 5573 ST URBAIN ST MONTREAL 14 QUE	B SC 2 CR 9 3363
DEMERS PAUL MICHAEL 368 CARLYLE TOWN OF MT ROYAL QUE	B C L 3 RE 7 3735
DEMERS ROBERT 2935 MAPLEWOOD APT 10 MONTREAL QUE	B C L 4 RE 8 9809
DEMEULEMEESTER ARTHUR J 2640 BEAUCLERK ST MONTREAL 5 QUE	B SC 2 CL 5 7253
DE MILLE GEORGE RUFUS 3609 UNIVERSITY ST MTL HAMPTON STA N B	PH D 4 AV 8 6307
DEMONTIGNY JOSEPH BENOIT 3433 DUROCHER ST APT 205 908 ST FRANCOIS XAVIER TROIS RIVIERES QUE	B ARCH 3
DEMOPOULOS ATHANASSIOS 4900 RADISSON MONTREAL 5 QUE	B ARCH 6 CL 9 0551
DEN BAARS SOPHINUS J BRITTAIN HALL STAAKWEG 9 DIRKSLAND THE NETHERLANDS	B SC AGR 3
DENBERG IRVING MANUEL 3861C LAVAL AVE MONTREAL 18 QUE	B A 4 VI 5 9436
DENCH MARY ELIZABETH 540 GROSVENOR AVE APT 6 WESTMOUNT QUE	B A 1 WE 7 4573
DE NETTANCOURT DREUX HUT C 8 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 1
DENIS C BERNARD 2282 EKERS MONTREAL QUE	B ENG CIV 5 RE 9 9645
DENIS JOHN TYRRELL 687 GROSVENOR AVE WESTMOUNT QUE	B SC 1 HU 4 7380
DENIS LAURENT GERMAIN 2002 MACKAY ST APT 2 MONTREAL 25 QUE	PARTIAL WE 2 0758
DENNETT FRANCIS GEORGE W 3525 DUROCHER ST APT 94 MONTREAL 18 QUE	PH D 4 VI 2 2303
DENNIS DARYL ELLEN MACDONALD COLLEGE 800 BLVD DU LAC ST EUSTACHE SUR LE LAC QUE	3 TCHRS 1
DENNIS MICHAEL 3737 CORONET RD MONTREAL 26 QUE	B C L 3 RE 8 5755
DENNY BROWN BRUCE CHARLES 3851 UNIVERSITY ST MTL 3 MERCER CIRCLE CAMBRIDGE 38 MASS USA	MD CM 1
DENNY JOANNA EVE ROYAL VICTORIA COLLEGE 117 HIGHBOURNE RD TORONTO ONT	B A 3 VI 2 0334
DENONCOURT GILLES JEAN G 3782 ROVEN MONTREAL QUE	B ENG 2 LA 1 2857
DENTON CHARLES FREDERICK 3445 PEEL ST MTL APARTADO 1373 MEXICO D F	B A 1 VI 5 9462
DENTON DAPHNE FLORENCE 3980 COTE DES NEIGES RD MONTREAL QUE	GRAD DIP 1 WE 7 6957
DENTON SUSAN DIANA 623 BELMONT AVE WESTMOUNT QUE	B A 1 HU 6 6421
DENYAR BRIAN EDGAR 340 RIVER ST ST LAMBERT QUE	B SC 3 OR 1 8011
DE PASS JOAN ELIZABETH 5004 GROSVENOR AVE MONTREAL QUE	B A 4 RE 3 7508
DE PERNA THOMAS CAMILLE 3563 UNIVERSITY ST MONTREAL 2 QUE	D D S 1 VI 9 7640
DERAGON SUSAN FRANCES 715 CORNWALL DR BAIE D URFE QUE	2 TCHRS 1 GL 3 2941
DERI THOMAS GEORGES 213 VILLENEUVE W MONTREAL QUE	B ENG MCH 3 CR 6 4256
DERNOI LOUIS ANTHONY 4408 EARNSCLIFFE AVE MONTREAL 28 QUE	M ARCH 2 HU 9 9604
DEROME JACQUES FLORIAN 22 GERVAIS LAVAL DES RAPIDES QUE	B SC 2 MO 9 4228
DEROME JACQUES HENRI 3501 LORNE AVE MTL 480 OUIMET ST LAURENT QUE	B ARCH 6
DERY LAURENT 3511JEANNE MANCE ST SEVERIN DE DE PROUXLVILLE CO CHAMPLAIN QUE	B ENG CIV 5 VI 2 1098
DESAI RAJNI KANT 3609 UNIVERSITY ST MTL 31 THORNHILL RD ALLAHABAD 2 INDIA	PH D 4 AV 8 6307
DESAI RAMANLAL L 2047 MCGILL COLLEGE AVE APT 28 MTL 7 43 KALYAN BUILDINGS KHADILKAR RD BOMBAY 4 INDIA	PH D 4 VI 9 0029

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DESATNIK WALTER MACDONALD COLLEGE 6867 CHABOT ST MONTREAL QUE	2 TCHRS 2
DESAUTELS DENIS LOUIS 1472 MONTARVILLE ST ST BRUNO QUE	B COM 1 OL 3 2079
DESAUTELS PIERRE A 1472 MONTARVILLE ST ST BRUNO CHAMBLY CO QUE	B COM 3 OL 3 2079
DESBOIS GERARD PAUL 25 DE L EPEE AVE APT 5 MONTREAL QUE	B ENG MCH 5 CR 4 1570
DESCHENES PAUL ANDRE 764 RACHEL E MONTREAL QUE	B ENG CIV 4 LA 3 5724
DE SCHULTHESS ANDREW G 389 CLARKE AVE WESTMOUNT QUE	B SC 3 WE 7 8236
DESLONGCHAMPS ANDRE E 12208 JOSEPH CASAVANT MONTREAL QUE	B C L 4 FE 4 3916
DESMARAIS ROGER GASTON 3431 DRUMMOND ST MTL 681 PROSPECT SHERBROOKE QUE	B ARCH 6 VI 9 0243
DESNOYERS M J LISE 455 WISEMAN OUTREMONT QUE	B C L 2 CR 1 3858
DE SOUSA FREITAS JORGE A NEWMAN HOUSE RUA ALMIRANTE ALEXANDRINO 340 404 RIO DE JANEIRO BRAZIL	L L M 1 VI 4 0051
DESPATIS JOSEPH L J G 8754 FOUCHER MONTREAL QUE	B ENG EL 5 DU 9 5101
DESPRES RALPH THOMAS 66 MACAULAY AVE ST LAMBERT QUE	B ENG EL 5 OR 1 7044
DESROCHERS GILLES 316 WILLOWDALE AVE APT 4 OUTREMONT QUE	PH D 3 VI 2 3486
DESTOUNIS GERASIMOS 5935 PARK AVE MONTREAL QUE	H S D DIP 1 CR 9 7637
DE TOLEDO LEYLA 2017 NORMAN ST VILLE ST LAURENT QUE	B A 4 FE 4 9475
DEUTSCH ANTAL 5400 DECELLES AVE APT 12 MONTREAL QUE	PH D 2 RE 9 1013
DEUTSCH EVA 2038 NORWAY RD MONTREAL 9 QUE	MD CM 2
DEVAUX ALAIN M L BRITTAIN HALL 11882 DES ENCLAVES ST MONTREAL QUE	B SC AGR 3
DEVENS DOUGLAS ADELBERT 3458 DUROCHER APT 6 MTL 396 BORTON ESSEXVILLE MICH USA	MD CM 1
DEVINE DONALD MAX 4922 DORNAL AVE MONTREAL QUE	B SC 1 RE 8 9948
DE VREEZE ANGELA T 3656 DUROCHER ST APT 3 MONTREAL QUE	B SC 2 VI 4 4163
DEW BENJAMIN GEORGE W 3660 HUTCHISON ST APT 7 C O PETER J FERRANTE P O BOX 123 CARMEL CALIF USA	MD CM 4
DEWAR HEATHER CAMERON ROYAL VICTORIA COLLEGE 30 DUNN ST S OAKVILLE ONT	B A 3 VI 2 0180
DEWDNEY MICHAEL FRANCIS 570 MILTON ST APT 7 MONTREAL QUE	H S D DIP 1
DEWOLF THOMAS JAMES D 3563 UNIVERSITY APT 31 119 MINTO PL ROCKCLIFFE PARK OTTAWA ONT	B ARCH 3
DEXTER JUNE PATRICIA 1441 DRUMMOND ST MTL 879 MANAWAGONISH RD LANCASTER N B	M S W 1
DE ZWIREK PHILLIP JACOB 4850 FULTON ST MONTREAL QUE	B C L 1 RE 7 3859
DHAVERNAS BENOIT MARIE J 4 BELVEDERE RD WESTMOUNT QUE	B C L 4 WE 3 3980
DIACHUN WILLIAM JAMES BRITTAIN HALL 3411 DRUMMOND MONTREAL QUE	2 TCHRS 2
DIAZ ARQUELLES FRANCISCO MACDONALD COLLEGE 1ST AVE 3005 MIRAMAR MARIANAO CUBA	B SC AGR 4
DIAZ CLIFFORD STANLEY 3535 STE FAMILLE ST MTL 590 BLUEFIELDS RD ST ANN GREEK BR HONDURAS	B A 4
DICK ETHEL HABICK MACDONALD COLLEGE 5121 KING EDWARD AVE MONTREAL QUE	2 TCHRS 1
DICK MARGARET ETHEL MACDONALD COLLEGE 4895 MONTCLAIR MONTREAL 29 QUE	2 TCHRS 2
DICKERSON RICHARD KEITH 3473 UNIVERSITY ST MONTREAL QUE	B D 3 VI 9 1791
DICKIE WILLIAM ROSS 5777 12TH AVE MONTREAL 36 QUE	B ENG EL 4 RA 1 0898
DICKINSON DAVID L 3506 UNIVERSITY ST MTL WALDEN GATE WARWICK BERMUDA	B COM 2 VI 4 0624
DICKINSON PETER C T 44 KINDERSLEY AVE TOWN OF MT ROYAL QUE	MD CM 3 RE 8 2265
DICKINSON ROBERT A DOUGLAS HALL R R 1 HARTLAND N B	B SC 2 VI 5 9784
DICKSON HEATHER V 1614 TASSE ST VILLE ST LAURENT QUE	B ED PED 3 RI 4 5097
DICKSON JESSE DONALD J WILSON HALL 42 HILLCREST AVE PHILADELPHIA 18 PA USA	B A 2
DICKSON JOHN IVAN 4175 DROLET ST MONTREAL QUE	B ENG 2 VI 9 5913
DICKSTEIN ALVIN CHARLES 5633 CANTERBURY AVE MONTREAL QUE	B SC 3 RE 8 2710
DIDELIUS DONALD P DOUGLAS HALL 1523 PROSPECT ST SANDUSKY OHIO USA	MD CM 3 VI 5 0575

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DIEHL JOHN ERIC 4300 WESTERN AVE APT 310 WESTMOUNT QUE	B A 2 WE 5 8448
DIENES ANDREW 921 JARRY ST W APT 10 MONTREAL QUE	B ENG PHY 4 CR 6 7294
DIENES LESLIE 921 JARRY WEST APT 10 MONTREAL QUE	B A 2 CR 6 7294
DI FEDERICO JOHN LEONARD 1001 SHERBROOKE ST W MTL 43 MAIN ST SOUTHBRIDGE MASS USA	D D S 1 VI 4 0811
DILLEY ANN ROSETTA 34 MAPLE AVE APT 22 STE ANNE DE BELLEVUE QUE	P E DIP 2
DILNESAHU BISRAT 3492 DUROCHER ST APT 2 KEONDILNESAHU RESIDENCE 8 DIRE DAWA ETHOPIA	B SC 3 VI 5 6577
DIMACPOULOU MARIA MACDONALD COLLEGE 5160 ESPLANADE MONTREAL 14 QUE	3 TCHRS 1
DIMITRAKOPOULOU KALLIOPE 355 MAPLEWOOD AVE APT 203 MONTREAL QUE	PARTIAL RE 9 8851
DINELLE GILBERT JEAN J 3475 SHUTER ST MTL 90 EMPRESS ST OTTAWA ONT	GRAD QUAL 1 VI 4 6472
DINES DOLORES 6335 LENNOX AVE MONTREAL QUE	B SC P OT 2 RE 9 0620
DINES RONALD EUGENE 5489 EARNSCLIFFE AVE MONTREAL 29 QUE	B SC 2 HU 1 4424
DINGLE D TERENCE 66 FINCHLEY RD HAMPSTEAD QUE	B C L 4 HU 4 8700
DINH SON 3454 PEEL ST MTL 33 PHAM DANG HUNG SAIGON SOUTH VIET NAM	M C L 2 VI 4 6143
DINNICK MICHAEL ANTHONY 1500 STANLEY ST APT 911 R R 2 AURORA ONT	B SC 4
DINNICK WILFRED S 1500 STANLEY ST APT 911 R R 2 AURORA ONT	B A 4 VI 9 2995
DINSLEY KENNETH GEORGE 3851 UNIVERSITY ST MTL 32 HUTTON CRES CALGARY ALTA	B SC 3 VI 5 1600.
DION CARMEN LISE 2067 DORCHESTOR W MONTREAL QUE	GRAD DIP 1 WE 3 2093
DIPPEL GERALD DONALD V 3429 DRUMMOND ST MTL 2338 LAKESHORE RD BURLINGTON ONT	D D S 1 VI 5 7807
DISMONT ERNEST GORDON K 1456 ST MARK ST APT 6A ANGLE ST HAMILTON BERMUDA	B A 1
DI TULLIO VINCENT A 883 CHARLEVOIX ST MONTREAL QUE	M SC 1 WE 2 0036
DITY ASSEEZ LIADIYA O 3550 SHUTER ST MTL E2 79 ORANYAN ST IBADAN NIGERIA	B SC 2 VI 2 0495
DIXON ELIZABETH A H 622 WALPOLE AVE TOWN OF MT ROYAL QUE	B SC 4 RE 3 1207
DIXON JOHN DOUGLAS 2050 MOUNTAIN ST APT 33 MONTREAL QUE	PH D 3 VI 5 3744
DIXTER ROSALIND SANDRA 4919 DRAPER AVE MONTREAL QUE	B A 2 HU 4 4162
DIZGUN HAROLD 2031 BARCLAY AVE MONTREAL QUE	B A 2 RE 8 4805
DJEDOUR MOHAMED 3535 STE FAMILLE MTL HOTEL FRANCAIS S W FES MAROC	B SC 2
DJIVRE VITALI 3330 RIDGEWOOD APT 20 MONTREAL QUE	B SC 1 RE 7 4930
DMYTRUCK BOHDAN 5360 CAVENDISH BLVD MONTREAL QUE	B SC 1 HU 6 1875
DOAK DOUGLAS KENNETH 320 PINE AVE ST LAMBERT QUE	B SC 2 OR 1 8114
DOBELL COLIN RUTHVEN C 2001 PEEL ST MONTREAL QUE	B A 4
DOBSON ANNE ELIZABETH 1700 STANLEY ST LAMBERT R R 4 BROCKVILLE ONT	B SC P OT 2 OR 1 7624
DOHERTY CATHERINE MACDONALD COLLEGE 511 LONDON ST SHERBROOKE QUE	3 TCHRS 1
DOHERTY CHARLES THOMAS 3453 SHUTER ST MTL RICHMOND MASS USA	M A 1 VI 3 6709
DOHERTY D ARCY ROGERS PRESBYTERIAN COLLEGE 166 WARREN RD TORONTO 7 ONT	B COM 1
DOHERTY PATRICIA ROYAL VICTORIA COLLEGE 166 WARREN RD TORONTO ONT	B A 3 VI 2 0334
DOIG DAVID WILLIAM BRITTAIN HALL 85 ROSELAWN CRES TOWN OF MT ROYAL QUE	H S D DIP 1
DOIG GEORGE ANDREW 3581 LORNE AVE APT 9 MTL R R 3 LACHUTE QUE	B ENG EL 4
DOIG RONALD PAUL 7491 WISEMAN AVE MONTREAL 15 QUE	M SC 1 CR 1 8044
DOLANSKY BENJAMIN JACOB 2430 STEVENS AVE ST LAURENT QUE	B A 2 RI 8 8475
DOLLFUSS RUDOLF E 4919 CARLTON AVE MTL ROCHELLE RD SOUTH NORWALK CONN USA	MD CM 3 RE 3 4778
DOLLOFF SANDRA ANN MACDONALD COLLEGE FITCH BAY QUE	3 TCHRS 1
DOLMAN DOUGLAS ROLPH 3581 UNIVERSITY ST MTL 1939 CARLING AVE APT 5 OTTAWA ONT	B SC 2 VI 9 1368
D OMBRAIN ANTONY J 10 ROSEMOUNT AVE WESTMOUNT QUE	B COM 3 WE 5 1649
DON HILLARY FRANCIS 3563 UNIVERSITY ST APT 19 MONTREAL 2 QUE	MED DIP 1 VI 3 5859

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DONALDSON JAMES MILLAR 1955 GRAHAM BLVD MONTREAL 16 QUE	B ARCH 5 RE 3 7914
DONALDSON MARGARET JEAN 724 RIVERVIEW AVE VERDUN QUE	GRAD DIP 1 PO 8 5675
DONALDSON PATRICIA EVELYN STEWART HALL 415 SEVENTEENTH ST BRANDON MAN	2 TCHRS 1
DONELAN MARK ANTHONY WILSON HALL 21 LUCAS ST ST GEORGES GRENADA W I	B ENG 2 VI 4 0624
DONOVAN JOHN KEVIN 5429 DUQUETTE AVE MONTREAL QUE	B C L 4 HU 8 4222
DORAKUMBURE WIJERATNE B 3433 HUTCHISON MTL 21 14 MALWATTE RD MATALE CEYLON	B L S 1 VI 5 4027
DORE GUY 3425 SHUTER APT 8 MTL 1 MCKINNON ST MATANE QUE	B ENG EL 5 VI 4 6660
DORENFELD MORRIS J 4614 JEANNE MANCE MONTREAL QUE	B ENG EL 5 VI 5 3315
DORFMAN ELAINE 4675 OXFORD AVE MONTREAL QUE	B A 1 HU 1 5174
DORFMAN LESLIE JOSEPH 5486 HUTCHISON ST MONTREAL 8 QUE	B SC 1 CR 1 3703
DORGET PHILIPPE ANDRE C 128 LAZARD TOWN OF MT ROYAL QUE	B COM 4 RE 7 4470
DORKEN ROBERT WALTER 12 ST GEORGES PL WESTMOUNT QUE	B ENG CH 5 HU 8 4268
D ORNELLAS CASSIAN MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 3
DOROTICH DANIEL 3563 DUROCHER ST APT 6 MONTREAL QUE	M A 2 AV 8 3918
DORSEY EDITH ANN 740 UPPER ROSLYN AVE MONTREAL QUE	B A 4 HU 6 3382
DOUBILET DAVID MARK 4720 ST KEVIN APT 8 MONTREAL QUE	B SC 1 RE 8 4688
DOUCETTE RAYMOND CONRAD 3484 PEEL ST MTL 68 GILL ST AUBURN MAINE USA	MD CM 1 VI 4 0051
DOUEK MAURICE LEON 352 SLOANE AVE TOWN OF MT ROYAL QUE	B SC 2 RE 3 8816
DOUGHERTY DELBERT W 700 BRIEN ST ST MARTIN BURY QUE	B ED 4
DOUGLAS ALEXANDER GEORGE 8641 BASS WOOD AVE APT 6 TOWN OF PIERREFONDS QUE	B ENG MCH 4
DOUGLAS ANNE SARAH 648 MURRAY HILL AVE WESTMOUNT QUE	B A 4 HU 6 1960
DOUSETT WILLIAM A BRITTAIN HALL R R 2 VAL D OR QUE	B SC AGR 4 GL 3 1828
DOUYON LAMARCK NO 6 RUELLE NAZON PORT AU PRINCE HAITI	MED DIP 4

NAME ADDRESS	COURSE & YEAR TEL. NO.
DOWD DOREEN DOROTHY 5009 CLANRANALD APT 37 MONTREAL 29 QUE	B L S 1 HU 4 7687
DOWDING JANET MARION ROYAL VICTORIA COLLEGE LOWER ESTATE ST MICHAEL BARBADOS T W I	B COM 1
DOWIE DONALD MURRAY 405 LETHBRIDGE AVE MONTREAL 16 QUE	B ENG 1 RE 8 3320
DOWIE ROBERT OWEN 405 LETHBRIDGE AVE MONTREAL QUE	B ENG CIV 5 RE 8 3320
DOWLING PATRICK JOHN 8080 SHERBROOKE ST E MONTREAL QUE	MD CM 2 CL 4 1867
DOWNER PETER J ZOOLOGY DEPT 42 HIGH RD E FELIXSTOWE SUFFOLK U K	PH D 3
DOWNES OSWALD MALCOLM 4030 LINTON AVE MONTREAL QUE	H S D DIP 1 RE 9 7894
DOWNEY DEANE E D DOUGLAS HALL 1324 PRINCESS ST REGINA SASK	B A 3 VI 4 8039
DOWNEY NEIL WILLIAM WILSON HALL 1324 PRINCESS ST REGINA SASK	B ARCH 2
DOWNIE JACK THEODORE 18 BAYVIEW AVE PTE CLAIRE QUE	B SC 2
DOWNING EDNA MARGARET MACDONALD COLLEGE R R 2 CALUMET QUE	2 TCHRS 1
DOYLE CAROLINE P 6 MURRAY AVE WESTMOUNT QUE	B A 2 HU 9 5606
DOYLE RONALD ERNEST 257 MAIN ST FARNHAM QUE	B ENG MCH 4 AX 3 6041
DR'ABINSKY DAVID 5615 RAND AVE COTE ST LUC QUE	MED DIP 3 HU 9 4643
DRAGONAS HELEN 1975 KILDARE RD TOWN OF MT ROYAL QUE	B A 2 RE 1 2981
DRAKE ELIZABETH ANNE ROYAL VICTORIA COLLEGE P O BOX 604 SAULT STE MARIE ONT	B SC 4 VI 2 0477
DRAKE STEPHEN ROBINSON WILSON MEMORIAL HALL 29 HILLCREST AVE ST CATHARINES ONT	B ENG 1
DRAPEAU GABRIEL ROSAIRE 40 MTEE STE MARIE STE ANNE DE BELLEVUE QUE KAMOURASKA R R 1 CO KAMOURASKA QUE	M SC 1 GL 3 2491
DRAPKIN LINDA BARBARA 495 MITCHELL AVE TOWN OF MT ROYAL QUE	B A 3 RE 8 6016
DRAYER NIESSIENUS MARINUS 2300 TUPPER ST MONTREAL QUE	M SC 2 WE 7 8511
DRAZEK HELEN 4909 CARLTON AVE MONTREAL QUE	B A 2 RE 9 4496

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DREISINGER JAMES FRANKLIN WILSON HALL 119 GREENRIDGE AVE WHITE PLAINS N Y USA	B SC 1
DRESDEN GARY ANDREW 3484 DUROCHER ST MTL 1417 PARK ST ATLANTIC BEACH N Y USA	B SC 2
DROLET LEONETTE 2685 CHARNY MONTREAL QUE	B N 2
DROLET SUZANNE BEATRICE 780 54TH AVE LACHINE QUE	B ED 2
DROUIN J ROBERT S 1085 MCGREGOR ST APT 102 105 CHEMIN DU BONT DE L ILE STE PETROVILLE CO MONTMORENCY QUE	PH D 5 VI 9 9025
DROUIN VINCENT 581 GOUNOD MONTREAL QUE	B C L 4 CR 2 3174
DRUKER EDWARD JOSEPH 5255 COTE ST LUC APT 19 MONTREAL QUE	B C L 2 HU 1 5190
DRUKER JACK I 2732 BRINTON RD MONTREAL QUE	B C L 1 RE 7 6805
DRUKER ROSALIND LEE 5023 GROSVENOR AVE MONTREAL QUE	B A 2 RE 1 4277
DRUMMOND DENIS SISE 2077 ST LUKE ST APT 40 MONTREAL QUE	MD CM 3 WE 4 1543
DRUMMOND DEREK ARMOUR 5 RICHELIEU PL MONTREAL QUE	B ARCH 5 VI 4 3178
DRUMMOND ROBERT NORMAN 43 POINTE CLAIRE AVE POINTE CLAIRE QUE	PH D 5 OX 5 3774
DRURY DIANA 579 ROSLYN AVE WESTMOUNT QUE	B SC 2 HU 1 9489
DRURY FREDERICK CHARLES 159 NORMANDY DR	B ENG EL 4 RE 1 4745
DRUZIN SHEILA 3935 LINTON AVE APT 4 MONTREAL QUE	B SC 3 RE 1 4850
DRYMER EARL 6462 SHERBROOKE ST W APT 14 MONTREAL QUE	B C L 4 HU 8 2252
DUBE PAUL ROY 5877 TRANS ISLAND AVE MONTREAL QUE	B COM 2 RE 8 8766
DUBIANSKY RUBIN 4915 KENT AVE MONTREAL 29 QUE	B ENG 1 RE 3 1835
DUBIN NORMA LILLIAN 759 DAVAAR OUTREMONT QUE	B A 1 CR 2 7829
DUBITSKY JUDITH 1280 BERNARD W OUTREMONT QUE	B SC P OT 2 CR 2 8714
DUBITSKY SYLVIA 665 MCEACHRAN AVE OUTREMONT QUE	B A 2 CR 9 1493
DUBOW ANITA LAIRD HALL COTE ST ANTOINE RD MONTREAL QUE	3 TCHRS 1
DUBROFSKY SANDRA SORYL 6244 WESTBURY AVE MONTREAL QUE	3 TCHRS 1 RE 9 7304

NAME ADDRESS	COURSE & YEAR TEL. NO.
DUCHAM RONALD EDMUND 3508 DUROCHER ST MTL 19 MAIN ST LYNDONVILLE VT USA	D D S 1 VI 9 4352
DUCKWORTH JOHN RICHARD 542 PRINCE ARTHUR ST APT 4 MTL 89 CAMBRIDGE ST HALIFAX N S	B ENG CIV 5 VI 4 6623
DUCKWORTH JOHN WILLIAM 110 LEPAGE ST APT 201 DORVAL QUE	B COM 2 ME 1 4087
DUCROS PIERRE YVES 3767 MARLOWE AVE MONTREAL QUE	B ENG EL 5 HU 6 8385
DUDER BRANWEN E B 3480 ONTARIO AVE MTL 7 CIRCULAR RD ST JOHN S NFLD	B SC P OT 3
DUFAU LABEYRIE DANIELE 4555 BONAVISTA AVE APT 305 MONTREAL QUE	B C L 3 HU 4 6451
DUFAYS PAUL ARTHUR HENRY 1885 LAVAL RD ST LAURENT 9 QUE	B ENG CIV 3 RI 7 3437
DUFF GRAHAM LYMAN 24 MELBOURNE AVE WESTMOUNT QUE	B ENG EL 5 WE 2 2659
DUFF MARILYN JEAN 79 WOLSELEY AVE MONTREAL QUE	B A 2 HU 4 8671
DUFFY KENNETH R 124 MARTIN AVE DORVAL QUE	B SC AGR 3 ME 1 1222
DUFFY MARILYN EDITH MACDONALD COLLEGE DURHAM QUE	2 TCHRS 1
DUGUAY RENE PAUL 3980 SHERBROOKE ST E APT 8A MTL BOX 3 SMOOTH ROCK FALLS ONT	B SC 3
DUHAIME YVES L 900 SHERBROOKE ST W APT 23 MTL 2425 ST MARC ST SHAWINIGAN QUE	B C L 2 VI 5 1979
DUKE RICHARD HAROLD 566 BEAUMONT ST BRUNO QUE	B ENG CIV 5 OL 3 6493
DUKMY ALEXANDER CHARLES 6220 SHERBROOKE W APT 204 MONTREAL QUE	M SC 1 HU 9 6070
DULEY WALTER WINSTON 6436 FARIBAULT ST MONTREAL 5 QUE	B ENG PHY 3 CL 5 2974
DULMAGE JUDITH H ROYAL VICTORIA COLLEGE 138 GORE ST PERTH ONT	B A 3 VI 2 0327
DUNBAR MARJORIE LEE 450 PINE AVE W APT 26 37 BISHOP AVE MASSENA N Y USA	B SC P OT 2
DUNCAN DONALD KEITH DOUGLAS HALL 2 LEANERAL ST KINGSTON 2 JAMAICA W I	B SC 2
DUNCAN GLAISTER GEORGE 529 PRINCE ARTHUR ST W 7 NORMAN CRES KINGSTON 2 JAMAICA W I	M A 1 VI 4 0804

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NAME ADDRESS	COURSE & YEAR TEL. NO.
DUNDAS ROBERT GORDON 54 SUMMIT CIRCLE WESTMOUNT QUE	B SC 4 WE 5 4733
DUNFIELD IRENE HARRIET MACDONALD COLLEGE 515 OAK AVE ST LAMBERT QUE	B ED 2 OR 1 4151
DUNFIELD JOHN CHARLES 2329 HAMPTON AVE MTL 406 KINGSWAY ISLINGTON ONT	B ENG EL 4
DUNFORD WILLIAM EARINGTON 139 PINE BEACH AVE DORVAL QUE	PARTIAL ME 1 3430
DUNLOP DAVID WHITSON S 3605 UNIVERSITY ST MTL THE HAYSEL HILDENBOROUGH KENT ENGLAND	B A 4 AV 8 0643
DUNN ANITA 4878 ISABELLA AVE MONTREAL QUE	B A 3 RE 8 8101
DUNN JOHN THOMAS 116 QUEENS RD VALOIS QUE	B ENG MCH 5
DUNN LEWIS CHARNLEY DOUGLAS HALL 430 EAST 86TH ST NEW YORK N Y USA	B A 1
DUNN SHIRLEY MACDONALD COLLEGE FRANKLIN CENTRE QUE	2 TCHRS 1
DUNN WILLIAM JAMES 465 SANFORD AVE ST LAMBERT QUE	B ENG 1 OR 1 5451
DUNSEATH BARRIE 429 PRINCE ARTHUR ST W MONTREAL QUE	MD CM 2
DUNSIGER AVRAM DAVID 5134 TRANS ISLAND MONTREAL QUE	B ENG PHY 3 HU 1 5947
DUNSMORE DONNA KATHLEEN 224 55TH AVE LACHINE QUE	2 TCHRS 1 ME 7 4736
DU PLESSIS LEON PHILIP 2740 DARLINGTON PL APT 32 MONTREAL QUE	MD CM 4 RE 7 5259
DUPLISEA LETESHIA MAE P W MACDONALD COLLEGE MOUTH OF KESWICK YORK CO N B	B SC H EC 4
DUPONT PIERRE ALBERT 3592 UNIVERSITY ST MTL 27A PERRAULT AVE STE ANNE DE BELLEVUE QUE	B ENG CIV 5 VI 2 2435
DUQUET DAWN LAYTON 99 GORDON CRES WESTMOUNT QUE	B A 2 HU 1 9459
DUQUET ELIZABETH ELLEN M 807 LEXINGTON AVE WESTMOUNT QUE	B A 3 HU 6 3901
DURDEN CHRISTOPHER JOHN R R 1 ILE PERROT NORD QUE	B SC 4 GL 3 8126
DURIEUX ANDREE HELENE 1310 ELIZABETH ST LAURENT QUE	B A 2 RI 4 3232
DURITY JOSEPH 3535 SHUTER ST MTL 1 CLAIRE ST SANFERNAN TRINIDAD W I	B ENG MCH 4 VI 4 0841
DURRANT CHARLES DAVID 70 WINSTON CIRCLE PTE CLAIRE QUE	B SC 3 OX 5 6368
DUSSAULT JACQUES 23 DE LA GARE DORION QUE	B SC 2 BE 4 2713
DU TOIT DEMAY 2029 METCALFE ST APT 8 MONTREAL QUE	B SC 3 VI 5 7949
DUTTON LAWRENCE A BRITTAIN HALL 650 17TH AVE LACHINE QUE	B SC AGR 3
DUTTON RICHARD SANDERS 3615 RIDGEWOOD AVE APT 301 MTL 33 AVON ST WAKEFIELD MASS USA	MD CM 2 RE 1 5624
DUTTON WALTER ARTHUR 650 17TH AVE LACHINE QUE	M SC 1 ME 7 5138
DUVEAU ROBERT JACQUES 1610 D ARCY MCGEE ST COTE ST PAUL QUE	B ENG 1 PO 7 6135
DUVERNET DIANE ROYAL VICTORIA COLLEGE 521 HIGHLAND AVE OTTAWA ONT	B SC P OT 2 VI 2 0327
DUVERNET JOHN FREDERICK 3431 DRUMMOND ST MTL 521 HIGHLAND AVE OTTAWA ONT	B ARCH 6 VI 9 0243
DWORKIN NORMA GAIL 4900 GROSVENOR AVE MONTREAL QUE	B A 4 HU 1 3212
DWYER OLIVE LILLIAN T 3467 SIMPSON MTL 4 QUEEN S PARK E PORT OF SPAIN TRINIDAD W I	GRAD DIP 1 WE 3 0296
DYKE JOHN GERRARD 120 GEO V AVE LACHINE QUE	B ENG MCH 5 ME 7 2950
DYRDA IHOR 2244 SHERBROOKE E APT 2 MONTREAL QUE	M SC 1 LA 5 8014
DZIRNE DACE 6913 WISEMAN AVE APT 4 MONTREAL QUE	B A 1 CR 1 8859
DZUNOV TODOR 3547 HUTCHISON ST MTL UL 11 OKTONWZI 64 SKOPJE YUGOSLAVIA	M C L 1

E

EADE NORMAN RUSSEL 3547 DUROCHER ST APT 15 1150 CHESTNUT AVE MOOSE JAW SASK	MD CM 1
EAKIN BARBARA GAEL 635 CARLETON AVE MONTREAL QUE	B A 4 HU 1 1456
EAKIN WILLIAM ROBERT S 635 CARLETON AVE WESTMOUNT QUE	B A 1 HU 1 1456
EAMAN STANLEY GEORGE 4385 MELROSE AVE MONTREAL 28 QUE	B SC 4 HU 1 3280
EARDLEY MARTHA EVELYN MACDONALD COLLEGE 5 SHIRLEY SLOPE NASSAU BAHAMAS	B ED 2
EARLE JUDITH ROSE 3465 SIMPSON ST MTL 15 CRESCENT HGTS OTTAWA ONT	B SC P OT 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
EARTHROWL JOHN A 7490 CHAMPLAIN BLVD LA SALLE QUE	B SC 3 DO 6 9286
EASDON GEORGE 2022 MOUNTAIN ST APT 3 MONTREAL QUE	B C L 3 VI 5 8851
EAST CONRAD 3200 COTE STE CATHERINE MONTREAL QUE	PH D 3 RE 8 1161
EASTERBROOK IAN K 3473 UNIVERSITY ST MTL MERIDEN COURTRIGHT ONT	B A 4 VI 9 1791
EASTON ANTHONY JOHN 3633 OXENDEN AVE 1051 ORCADES CRES APPLEWOOD HEIGHTS DIXIE ONT	B ENG AM 4 AV 8 6896
EATON GEORGE EUGENE BOX 57 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 4 GL 3 2319
EATON ROBERT FINLAYSON 482 MT PLEASANT AVE WESTMOUNT QUE	B A 4 WE 3 6002
EATON ROBERT JAMES B 425 MOUNT ROYAL AVE W 234 CAMERON ST MONCTON N B	B ARCH 3 CR 4 7681
EBERTS GORDON HOWARD 631 CARLETON AVE WESTMOUNT QUE	B A 4 HU 8 5403
EBERTS JOHN D 631 CARLETON AVE WESTMOUNT QUE	B ENG CH 4 HU 8 5403
EBNER TEAYNA 8279 DE L ACADIE BLVD MONTREAL QUE	B SC P OT 1 CR 2 3992
ECHENBERG GORDON LEE 4125 BLUERIDGE CRES MONTREAL QUE	B A 4
ECHENBERG HOPE MARSHA 4729 FULTON ST APT 2 MONTREAL QUE	2 TCHRS 1 RE 9 8580
ECHENBERG HOWARD BERTRAM 3483 PEEL ST MTL 587 BOISJOLI ST SHERBROOKE QUE	B A 3 VI 2 0882
ECHENBERG MYRON JOEL 4729 FULTON APT 2 MONTREAL QUE	B A 3
ECHENBERG PAUL STEPHEN 3483 PEEL ST MTL 587 BOISJOLI ST SHERBROOKE QUE	B ENG 1 VI 2 0882
ECKERSLEY GORDON 1735 EDOUARD LAURIN BLVD APT 3 ST LAURENT QUE	B ED 3 RI 7 9429
ECONOMOU STEWART CHARLES 3600 STE FAMILLE MTL 54 DOVER ST WORCESTER MASS USA	MD CM 2 VI 4 5640
EDE NORMAN LAURENCE 2047 WESTMORE APT 8 MONTREAL QUE	B ENG EL 5 HU 9 5026
EDEL HARRY 5304 PARK AVE APT E MONTREAL 8 QUE	B SC 1 CR 2 8852
EDELBERG DAVID SHABSAI 4501 HARVARD AVE MONTREAL 28 QUE	B ENG MCH 3 HU 8 5701
EDELBERG FRANK 5864 DECELLES PL APT 25 MONTREAL 26 QUE	B SC 3 RE 1 0598
EDGAR HUGH WALLACE 3491 STANLEY APT 202 MTL COLQUHOUN ST AYR ONT	MED DIP 1 VI 4 7005
EDGE DOUGLAS RICHARD 249 88TH AVE L ABORD A PLOUFFE QUE	B SC 1 MU 1 5563
EDMONDS MARION GRACE MACDONALD COLLEGE 351 BROCK AVE N MONTREAL WEST QUE	B ED 2
EDMONDS THOMAS CHARLES 3508 UNIVERSITY ST 351 BROCK AVE N MONTREAL WEST QUE	B D 2 VI 5 4873
EDWARD IAN DONALD 2 LAKEVIEW RD BAIE D URFE QUE	B SC AGR 1 GL 3 2311
EDWARDS IVOR KEITH BRITTAIN HALL P O BOX 83 MANDEVILLE JAMAICA W I	B SC AGR 4 GL 3 1828
EDWARDS JEAN M ROYAL VICTORIA COLLEGE BOX 245 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B A 1 VI 2 0597
EDWARDS MAURICE OWEN WILSON HALL BOX 83 MANDEVILLE JAMAICA W I	B SC 4 VI 4 0624
EDWARDS RICHARD VAUGHAN 179 FIELDCREST AVE PTE CLAIRE QUE	B ENG 1 OX 5 5480
EGAN JOANNE M MACDONALD COLLEGE 409 BRIAR AVE OTTAWA ONT	B SC H EC 2
EGLINGTON PETER CHESTON 3637 UNIVERSITY ST MONTREAL QUE	B COM 4 VI 9 1736
EICHMAN OTTO KARL 2243 MELROSE MTL 303 EAST ROSS PALMYRA MISS USA	MD CM 4 HU 8 2922
EICHMANN REGINE INGRID 3050 BARCLAY AVE APT 5 MONTREAL 26 QUE	B A 2 RE 9 6948
EIDINGER ELLEN JUDITH 30 OAKLAND AVE WESTMOUNT QUE	B A 1 HU 8 3192
EIN SIGMUND HIRSCH 4043 VENDOME AVE MONTREAL QUE	MD CM 4 HU 6 7462
EINBINDER ELI DOUGLAS HALL 154 QUEEN BLVD N SHERBROOKE QUE	B SC MDCM 1
EISENSTAT HYMAN A 5150 DECARIE BLVD MONTREAL QUE	B COM 3 HU 6 6942
EISENSTEIN SAM 1115 LAJOIE AVE APT 6 MONTREAL 8 QUE	PH D 3 CR 2 2027
EISNER HASKEL 722 QUERBES AVE MONTREAL 8 QUE	B SC 3 CR 4 0753
EKANEM DAVID J 3531 LORNE AVE MTL P O BOX 95 UYO NIGERIA	B ENG CIV 5 AV 8 6845
EKE IFEGWU IKPO URUM 3527 LORNE AVE APT 1 MONTREAL QUE	B COM 3 VI 9 1075
EKREN BRYAN ANTHONY 3600 LINTON AVE APT 206 P O BOX 622 ANCHORAGE ALASKA	D D S 2 RE 9 8576

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
EL BASYOUNI SAID Z M C O DEPT OF BOTANY MCGILL UNIVERSITY 495 EL AHRAM AVE APT 10 GIZA EGYPT U A R	VI 4 6311	PH D 1
ELCOMBE DAVID DYMOND 3431 DRUMMOND ST MTL 3431 DRUMMOND ST MTL 695 KILDARE RD WINDSOR ONT	VI 9 0243	B SC 2
ELDER MURRAY G 3565 HUTCHISON ST MTL CHRISTIEVILLE QUE		B ENG CIV 4
ELDRIDGE LARRY FRANK MACDONALD COLLEGE BROME QUE	GL 3 9082	2 TCHRS 1
ELIE JACQUES GASTON 4894 WESTMOUNT AVE MONTREAL QUE	HU 4 5904	B ENG 1
ELIE JOHN DEXTER 8060 GARNIER ST MONTREAL QUE	RA 9 6248	B SC 3
ELIOT CHRISTOPHER RHODES 3465 STANLEY ST APT 12 11 HILLIARD ST CAMBRIDGE 38 MASS USA	VI 9 8828	MD CM 4
ELIOT SARAH G 456 PINE AVE W APT 37 2276 WOODLAWN CRES VICTORIA B C	VI 4 8382	MD CM 3
ELKIN IRENE 581 LANSDOWNE AVE WESTMOUNT QUE	HU 1 0862	B A 3
ELKIN JACOB JOSEPH DE S 581 LANSDOWNE AVE WESTMOUNT QUE	HU 1 2828	B A 4
ELKINS DAVID S 4589 ROYAL AVE MONTREAL 28 QUE	HU 6 1481	B COM 2
ELLIOT DAVID ALAN 1001 SHERBROOKE ST W APT 8 MTL 136 MORRIS PKWY VALLEY STREAM N Y USA	VI 4 0811	B SC 1
ELLIOT SIMON JOHN 1500 STANLEY ST APT 623 55 ONSLOD SQ LONDON S W 7 ENGLAND	VI 4 7194	B A 3
ELLIOTT DONALD ALLAN 299 QUINN BLVD LONGUEUIL QUE	OR 4 4752	B ENG MCH 3
ELLIOTT GILBERT MICHAEL BRITTAIN HALL COMO QUE		AGR DIP 2
ELLIOTT GILBERT OWEN 299 QUINN BLVD LONGUEUIL QUE	OR 4 4752	B ENG EL 4
ELLIOTT KARIN EVELINA ROYAL VICTORIA COLLEGE 112 EAST 74TH ST NEW YORK 21 N Y USA	VI 2 0995	B A 2
ELLIOTT MICHAEL HAYDEN BRITTAIN HALL CHRISTIANA JAMAICA W I	GL 3 1997	B SC AGR 3
ELLIOTT PETER NICHOLAS 5620 ST JOSEPH ST LACHINE QUE	ME 7 3984	B ENG MCH 4
ELLIS DANIEL BENSON 3619 UNIVERSITY ST MONTREAL QUE	VI 4 6311	PH D 3
ELLIS ELAINE JOAN 3610 DUROCHER AVE APT 5 A MONTREAL 18 QUE	VI 5 9700	B ED 4
ELLIS JOAN 5892 WESTBURY AVE MTL 32 HILL ST KINGSTON ONT	RE 3 2653	B A 1
ELLIS LEONARD 4390 WILSON AVE MONTREAL 28 QUE	HU 6 4121	MD CM 2
ELLS ALFRED DALE BRITTAIN HALL SHEFFIELD MILLS KINGS CO N S		B SC AGR 4
ELMAN ANNALEE 7483 DE LEPEE AVE MONTREAL 15 QUE	CR 2 0602	B A 3
ELMAN SAMUEL H 4920 DORNAL AVE MONTREAL QUE	RE 8 1788	B A 3
ELMAN SARITA 7483 DE L EPEE AVE MONTREAL 15 QUE	CR 2 0602	B A 3
EL SHISHINI MAGDA 380 METCALFE AVE WSTMT 1 NABATAT ST GARDEN CITY CAIRO EGYPT	WE 7 7913	M A 2
ELWIN JOHN HILARION BRITTAIN HALL 89 HILLSBOROUGH ST ROSEAU DOMINICA		B SC AGR 3
EMBACHER UWE HANS OTTOMAR 74 RANG ST IGNACE R R 1 LAPRAIRIE QUE		B SC 2
EMBACHER UTA HEDWIG G 74 RUE PRINCIPALE R R 1 LAPRAIRIE QUE	NE 2 0329	B SC P OT 2
EMBREE DONNA M ROYAL VICTORIA COLLEGE AMHERST CUMB CO R R 2 N S CUMB CO N S	VI 2 0526	B A 4
EMBREE VERONIKA 3475 RIDGEWOOD AVE APT 205 MONTREAL QUE	RE 9 4039	M SC 2
EMCH IRENE 1428 CLOSSE ST MONTREAL QUE	WE 5 0982	2 TCHRS 1
EMERSON JANE KAY 3544 JEANNE MANCE MTL 280 GURRIES DR GILROY CALIF USA	VI 4 6859	MD CM 1
EMERY BRUCE DOUGLAS 39 CAILLE AVE BOX 464 ST BRUNO QUE	OL 3 6135	B ENG MCH 4
EMMS BARBARA JEAN MACDONALD COLLEGE 117 GEORGE AVE NORANDA QUE		2 TCHRS 1
ENGEL SHEILA 5520 BRADFORD PL MONTREAL QUE	RE 8 6186	B A 1
ENGELBERG ROSANNE 2215 DUNCAN RD TOWN OF MT ROYAL QUE	RE 9 2751	B A 2
ENGELS RHONA 717 POWELL TOWN OF MT ROYAL QUE	RE 8 8207	B A 1
ENGELSTEIN JANET B 4549 CIRCLE RD MONTREAL 26 QUE	HU 4 5229	B A 3
ENGLAND LAWRENCE E C 98 DEVONSHIRE RD GREENFIELD PARK QUE	OR 1 2028	B ENG 2
ENGLISH MARGARET MARION 3484 DUROCHER APT 404 327 ISLAND PARK DR OTTAWA ONT	VI 9 2076	B ED PED 4
ENGLISH STANLEY FRASER 4770 PLAMONDON AVE APT 102 MONTREAL 26 QUE	RE 9 9289	B C L 4
ENOS ROBERT EUGENE 4659 FABRE ST MONTREAL 34 QUE	LA 5 2018	B ENG EL 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ENTOUS ANN 4838 HAMPTON AVE MONTREAL QUE	2 TCHRS 1 HU 8 7024
EPERSON PHYLLIS MAY 7101 8TH AVE ST MICHEL QUE	3 TCHRS 1 RA 2 9625
EPHRAIM GARY ELLIOT 5756 LEGER AVE COTE ST LUC QUE	B SC 1 HU 9 6977
EPSTEIN ANGELA 795 DAVAAR AVE APT 12 MONTREAL QUE	B SC 3 CR 6 5687
EPSTEIN JEFFREY SHERMAN 3483 PEEL ST MTL 1258 BEACON ST BROOKLINE MASS USA	B COM 2 VI 2 0882
EPSTEIN SAMUEL 5728 QUEEN MARY RD MONTREAL QUE	B C L 1 HU 8 0117
EPSTEIN SEYMOUR 3815 PLAMONDON APT 11 MONTREAL 26 QUE	B ENG EL 4 RE 7 5562
EPSTEIN WENDY BARBARA 4372 COOLBROOK AVE MONTREAL 28 QUE	B A 2 HU 6 3940
ERCK MARY ALETHA 3455 STANLEY ST APT 301 22 DIXON ST RAMSEY NEW JERSEY USA	M SC APP 2 VI 5 4384
ERDELL SANDRA RUTH 5300 MOUNTAIN SIGHTS MONTREAL QUE	B A 2 HU 6 7116
ERDI GEORGE 3851 LINTON AVE MONTREAL QUE	B ENG 1 RE 3 3876
ERDMANN EVA MARIA 630 ST HENRI LAPRAIRIE QUE	2 TCHRS 1
ERICKSON CARYL A 37 TUNSTALL AVE SENNEVILLE QUE	B ED 2 GL 3 4372
ESAR BENJAMIN 5175 WESTBURY AVE MONTREAL QUE	B ENG EL 5 RE 8 1218
ESAR DOROTHY 5175 WESTBURY AVE MONTREAL QUE	B SC 1 RE 8 1218
ESTEY ROBERT JAMESON 3459 DRUMMOND ST APT 31 98 HIGH ST PICTON N S	H S D DIP 1
ETCOVITCH ALLEN 831 STUART AVE APT 3 OUTREMONT QUE	PARTIAL
ETIENNE LORRAINE E ROYAL VICTORIA COLLEGE 145 HIGHLAND AVE KINGSTON N Y USA	B A 4 VI 2 0327
ETTINGER JULIA WATTS 3492 PEEL ST MTL 116 HADDON AVE N HAMILTON ONT	B L S 1 VI 2 7362
EVANS ANN BERRELL ASTRID 3459 DRUMMOND APT 20 MTL 722 ECHO DR OTTAWA ONT	M A 1 VI 4 8048
EVANS EDWARD ARTHUR 66 ARLINGTON AVE WESTMOUNT QUE	B COM 3 WE 7 3337
EVANS JEAN CAROLYN 1275 LATOUR VILLE ST LAURENT QUE	B SC 3 RI 8 7078
EVANS JOAN ELIZABETH MACDONALD COLLEGE 260 MACAULAY AVE ST LAMBERT QUE	B ED 2
EVANS MARILYN DOROTHY M 116 OAKRIDGE AVE PTE CLAIRE QUE	B ED 1 OX 7 0786
EVIN DULCIE 4535 MAYFAIR AVE MONTREAL QUE	B A 1 HU 4 3385
EWART ROBERT GEORGE 204 RUTH AVE OTTERBURN PARK QUE	B SC 4 FO 7 4221
EWING MARGARET LORA ROYAL VICTORIA COLLEGE R F D 1 EASTHAMPTON MASS USA	B A 4 VI 2 0477
EYRE FRANK WHEWELL 11930 MICHEL SARRAZIN APT 16 MONTREAL 9 QUE	M ENG 1 FE 4 8502

F

FABIERKIEWICZ MAREK Z 3488 DUROCHER MTL 107 DAWLISH AVE TORONTO 12 ONT	B ENG 1
FABRO CAROLYN PATRICIA COMO QUE	B A 1
FACTO LONNIE OCTAVE P O BOX 85 STN B MTL 2 2843 INGERSOLL AVE DES MOINES 12 IOWA USA	PARTIAL
FADIPE HENRY FRANCIS K 66 ADEREMI ST ILE IFE NIGERIA	B SC 2
FAFARD JOSEPH GERARD C 4855 COTE ST LUC APT 203 272 DAVIS ST ARVIDA QUE	B ENG EL 5
FAGEN DAVID 514 OUTREMONT AVE MONTREAL QUE	B ENG 2 CR 2 0648
FAIGAN HARVEY 4090 PLAMONDON AVE APT 6 MONTREAL 26 QUE	D D S 4 RE 8 6445
FAIVRE ANNE MACDONALD COLLEGE 5224 GLOBERT ST MONTREAL 29 QUE	2 TCHRS 1
FAJGELZON JULIETTE 1044 PRATT AVE OUTREMONT QUE	B A 2 RE 8 8961
FALBY WILLIAM EPHRAIM 3469 HUTCHISON ST MTL STUBBS ST VINCENT T W I	B ENG AM 3
FALCONER KATHRYN ALICE ROYAL VICTORIA COLLEGE 2046 BAFFIN AVE OTTAWA 1 ONT	B SC P OT 2 VI 2 0598
FALGARONE MARIE 295 QUERBES OUTREMONT 66 RUE DESNOUETTES PARIS XV FRANCE	B A 2 CR 6 6477
FALLIS ROBERT FRANK 4940 MAPLEWOOD AVE APT 15 MONTREAL 29 QUE	M SC APP 2 RE 9 7094
FALTA LADA PATRICIA 2375 MACNEIL RD MONTREAL 16 QUE	B ARCH 3 RE 7 9842
FALUS PETER 2290 GIROUARD ST APT 10 MONTREAL QUE	B ARCH 3 HU 1 4396
FANCOTT TERRILL 119 CEDAR AVE PTE CLAIRE QUE	B ENG EL 5 OX 5 5787

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
FARARA PAUL DAVID 2050 CHOMEDY AVE APT 6 P O BOX 50 ST JOHNS ANTIGUA B W I		B ENG 2
FARKAS TIBOR STEPHEN 4965 COTE ST LUC RD APT 6 MONTREAL 29 QUE	HU 8 3074	MED DIP 1
FARLEY DIANE MACDONALD COLLEGE ROCK ISLAND QUE		3 TCHRS 1
FARLEY WILLIAM JOHN MTL GENERAL HOSPITAL MONTREAL QUE		MED DIP 1
FARMER ANNE JULIA ROYAL VICTORIA COLLEGE HILL MANOR LINDFIELD SUSSEX ENGLAND	VI 2 0180	B A 3
FARMER FRASER HARVEY 44A PERRAULT AVE STE ANNE DE BELLEVUE QUE	GL 3 2057	B ENG EL 4
FARMER HEATHER ANNE 44A PERRAULT AVE STE AANE DE BELLEVUE QUE	GL 3 2057	2 TCHRS 1
FARMER KEITH DAVID 174 TURGEON ST STE THERESE QUE	TA 3 7278	B ENG EL 4
FARMER MARGARET ANN L MACDONALD COLLEGE 16 VIRGINIA ST STE THERESE QUE		2 TCHRS 1
FARMER RICHARD R 3633 OXENDEN AVE MTL 72 QUEEN ST QUELPH ONT	AV 8 6896	B ENG CIV 4
FARMER ROBERT ALLAN 5920 MONKLAND AVE MTL 26 DAWSON AVE DORVAL QUE	HU 1 7111	B ENG CIV 5
FARNSWORTH DONALD BRIAN 3482 MCTAVISH ST MTL 311 CUMBERLAND ST CORNWALL ONT	VI 9 5965	B A 2
FARNSWORTH MICHAEL D J 153 LAKEVIEW AVE PTE CLAIRE QUE	OX 7 0663	B ENG MI 5
FARQUHAR HELEN MARION ROYAL VICTORIA COLLEGE 60 CHURCH ST GANANOQUE ONT		B A 3
FARR DOUGLAS HARRY BRITTAIN HALL R R 2 SWEETSBURG QUE		B SC AGR 1
FARR ELIZABETH MARY ROYAL VICTORIA COLLEGE R R 3 ORILLIA ONT	VI 2 0334	B A 3
FARR ROBERT JAMES BRITTAIN HALL SWEETSBURG QUE		B SC AGR 2
FARRELL ROBERT GEORGE 3656 DUROCHER MTL CAIXA POSTAL 8026 SAO PAULO BRASIL	VI 4 4163	B SC 1
FARRELL THOMAS ADAM 6300 LENNOX AVE APT 810 HARTS HILL WHITESBORO NEW YORK USA	RE 1 1906	MD CM 4
FARRER SUSAN DOROTHEA MACDONALD COLLEGE 2060 O BRIEN BLVD ST LAURENT QUE		P E DIP 2
FARRIS ELIZABETH WENDY 4140 COTE ST CATHERINE 3751 GRANVILLE ST VANCOUVER 9 B C	RE 3 2303	M A 1
FARWELL JUDITH ANN ROYAL VICTORIA COLLEGE 117 ROCHESTER AVE TORONTO 12 ONT	VI 9 0030	B ENG 1
FASCIO VICTOR JOHN ERNEST 6665 TRANS ISLAND AVE MONTREAL QUE	RE 1 4815	B A 3
FATTAL LEON YEHUDA WILSON HALL 42 LINCOLN HOUSE BASIL ST LONDON ENGLAND	VI 4 0624	B ENG EL 4
FATTAL TONY S WILSON HALL C O MRS V S SIMON 42 LINCOLN HOUSE BASIL ST LONDON ENG		B COM 3
FAULKNER GEOFFREY NEIL 2030 FORT ST APT 7 MTL 31 PINE GROVE BROOKMANS PK HATFIELD HERTS ENGLAND	WE 2 8803	B SC 1
FAUTEUX JEAN 218 WILLOWDALE AVE MONTREAL QUE	RE 8 4457	B COM 3
FAY BARBARA JOAN ROYAL VICTORIA COLLEGE 20 KIRKHAM ST NEWINGTON 11 CONN USA	VI 2 0327	B SC 4
FAY BERNARD S D 55 CORNWALL RD TOWN OF MT ROYAL QUE	RE 3 5059	B ENG 2
FEARMAN ELIZABETH BLAKE ROYAL VICTORIA COLLEGE 206 COLBORNE W OAKVILLE ONT	VI 2 0265	B A 2
FEARON DAVID SHELDON 3508 UNIVERSITY ST RM 25 P O BOX 151 LENNOXVILLE QUE	VI 4 0752	B D 2
FEDER NORMAN 5585 COOLBROOK AVE MONTREAL QUE	RE 8 7505	B ENG EL 3
FEDERSPIEL HOWARD MANLEY 3861 GIROUARD MTL BLOOMINGDALE RD AKRON NEW YORK USA		PH D 2
FEDORKOW WILLIAM 3421 PEEL ST MTL PERRON QUE		B ENG 2
FEFFERMAN NAOMI MACDONALD COLLEGE 5017 VICTORIA AVE MONTREAL QUE	RE 1 5516	3 TCHRS 1
FEHER LORNE CSABA ARPAD 50 GRAHAM BLVD TOWN OF MT ROYAL QUE	RE 1 5732	B ENG 2
FEIFER HERBERT 15 PAGNUELO AVE MONTREAL QUE	CR 2 5628	B ARCH 3
FEIFER MARK 15 PAGNUELO AVE MONTREAL 8 QUE	CR 2 5628	B A 1
FEIG SHEILA 4925 JEAN BRILLANT MONTREAL QUE	RE 7 2606	B SC 2
FEIGELSON STEVEN DAVID 7828 OSTELL CRES MONTREAL QUE	RE 8 7427	B SC 1
FEINBERG MICHAEL PHILLIP 3420 PEEL ST MTL 205 N 28TH ST ALLENTOWN PA USA	VI 2 0343	B SC 2
FEINCHNEIDER JEANINE 2140 COLLEGE ST ST LAURENT QUE	RI 8 8965	B SC 4

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
FEINER MICHAEL PETER 4057 WILSON AVE MONTREAL QUE	HU 1 5897	B A 2
FEINGOLD MYRA BELLE M 5135 LACOMBE AVE MONTREAL QUE	RE 8 2868	B A 3
FEINSTEIN RHODA DEBORAH 20 GLENMORE RD MONTREAL QUE	HU 1 8155	B A 1
FEINTUCH DALE RUTH 2000 NORWAY RD TOWN OF MT ROYAL QUE	RE 7 0252	B SC 2
FEISE CHRISTIAN M 5229 BORDEN AVE MONTREAL QUE	HU 6 2363	B ARCH 3
FEISE THEODOR CORNELIUS 5229 BORDEN AVE MONTREAL QUE	HU 6 2363	B ENG 2
FEIWEL GEORGE RICHARD 1800 ST LOUIS APT 302 MONTREAL 9 QUE	RI 8 8621	PH D 2
FEKETE GEORGE IVAN 47 ST JEAN BLVD CHATEAUGUAY STA QUE	OX 2 8866	M ENG 1
FELDMAN ALLEN EDWARD 3081 BRIGHTON AVE MONTREAL QUE	RE 7 7715	B A 4
FELDMAN ANATOL 4854 ESPLANADE AVE MONTREAL 14 QUE	CR 2 4509	B SC 2
FELDMAN BRYNA BARBARA 726A QUERBES AVE OUTREMONT QUE	CR 6 9160	B SC P OT 3
FELDMAN GLORIA SUSAN 1009 SHERBROOKE ST W 1975 YPRES BLVD WINDSOR ONT	VI 4 0426	B SC 2
FELDMAN MARIAN 50 BANSTEAD RD MONTREAL WEST QUE		B A 3
FELDMAN NORMAN 4711 PLAMONDON AVE APT 14 MONTREAL 26 QUE	RE 3 9425	M SC 1
FELDMAN PHILIP SEYMOUR 1517 MACGREGOR MTL 1975 YPRES BLVD WINDSOR ONT	RE 8 3759	MD CM 1
FELDMAN WILLIAM 4715 PLAMONDON AVE APT 21 MONTREAL QUE	RE 9 3490	MD CM 4
FELEDY JULIUS ALEX 3532 LORNE AVE MTL 7022 BOYCE ST MONTREAL QUE	VI 2 2608	M A 1
FELLOWS EDWARD A 3265 GOYER ST APT 8 MONTREAL QUE	RE 3 7377	D D S 3
FELS MORTON 4978 VICTORIA AVE MONTREAL 29 QUE	RE 8 6945	B ENG CH 5
FELS SARAH 4978 VICTORIA AVE MONTREAL QUE	RE 8 6945	B A 3
FELVINCI JOHN PAUL 4710 DECARIE BLVD APT 14 MONTREAL QUE	HU 9 8378	M SC 2
FENSTON JOY LEE 687 DE L EPEE AVE OUTREMONT QUE	CR 9 1318	B A 1
FENTON GEORGE WAKEFIELD 312 BROCK AVE N MONTREAL WEST QUE	HU 4 9563	B ENG 1
FERBER EMMA 1355 DORCHESTER ST W MONTREAL QUE	UN 6 9941	B SC 2
FERENCZY MARIA AGNES 3626 OXENDEN MONTREAL QUE	VI 4 4200	B SC 3
FERGUSON DOROTHY L 4548 PATRICIA AVE MONTREAL QUE	HU 1 2502	B A 1
FERGUSON MARGUERITE GAIL 7447 CHRISTOPHE COLOMBUS MONTREAL QUE	CR 1 4023	B SC 1
FERGUSON ROBERT JOHN 454 MT STEPHEN WSTMT 77 NEWTON ST DRUMMONDVILLE QUE		B ENG 1
FERGUSON RUTH 1568 SUMMERHILL AVE APT 10 MONTREAL QUE	WE 3 0823	MED DIP 2
FERGUSSON AGNES MARIE 228 GRANDE COTE ROSEMERE QUE	NA 5 5088	PARTIAL
FERGUSSON JAMES RICHMOND DOUGLAS HALL HEMMINGFORD QUE	VI 4 0977	B SC 3
FERNANDES LESTER L 3430 DRUMMOND ST MTL 36 NORTON ST GEORGETOWN BR GUIANA	VI 2 0789	M SC 1
FERNANDES MORRIS RUDOLPH DOUGLAS HALL 81 LAMAHA ST GEORGETOWN BRITISH GUIANA		B SC 2
FERNANDEZ PARDO CARIDAD E ROYAL VICTORIA COLLEGE CALLE 13 166 ESQ APT 42 VEDADO HAVANA CUBA	VI 9 0120	B A 3
FERRIE DONALD JAMES 3633 OXENDEN AVE MTL 29 TONSTALL AVE SENNEVILLE QUE	AV 8 6896	B SC 3
FERRO MAXIMILLIAN L L 476 MT PLEASANT AVE WESTMOUNT QUE	WE 5 7865	B ENG 2
FESSLER ALFRED 4150 ST KEVIN AVE APT 11 MONTREAL QUE	RE 8 1245	MD CM 3
FICHMAN STEPHEN HARRY 4894 ISABELLA AVE MONTREAL QUE	RE 9 6594	MD CM 2
FICHTENBAUM JACOB 4282 DE LA PELTRIE MONTREAL 26 QUE	RE 1 0673	B ENG 1
FIELDING HENRY ANTHONY 3581 UNIVERSITY ST MONTREAL 2 QUE	VI 9 1368	B ENG CH 3
FIELDMAN MICHAEL M 4875 BOURRET AVE MONTREAL QUE	RE 9 0622	B ARCH 4
FIELD MARSHAM RUPERT C E 1371 PINE AVE W MTL TOPHILL FARM GROOMBRIDGE KENT ENGLAND	VI 5 6602	B A 1
FIFE MARILYN ELAINE MACLENNAN HALL R R 1 BRAS D OR CAPE BRETON CO N S	VI 2 0044	B SC P OT 2
FIGUEROA HECTOR RICARDO 5080 CIRCLE RD APT 6 MONTREAL QUE	HU 9 4191	B ARCH 2
FILIPOWICH WALTER C 2010 CHOMEDEY ST APT 1 10715 64TH AVE EDMONTON ALTA	WE 2 6848	B SC 4
FILOTAS BERNADETTE MARY 3812 ADDINGTON ST MONTREAL QUE	HU 9 3562	B A 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
FILOTAS MARY ANN 3812 ADDINGTON ST MONTREAL QUE	B A 4 HU 9 3562
FINCHAM ERIC HARVEY 112 D ALSACE ST PREVILLE QUE	B ENG 1 OR 1 1847
FINCHAM HERBERT IAN 112 D ALSACE ST PREVILLE QUE	B SC 4 OR 1 1847
FINDLAY DAVID KING 3395 STANSTEAD AVE MONTREAL 16 QUE	B SC 1 RE 8 9944
FINDLAY MICHAEL DAVID M 520 39TH AVE LACHINE QUE	2 TCHRS 1 ME 4 1643
FINDLAY PETER HAMILTON BRITTAIN HALL 5605 WENTWORTH AVE COTE ST LUC QUE	B ED 2
FINE ISADORE MARVIN 6270 CLANRANALD AVE MONTREAL QUE	B ENG 2 RE 9 5475
FINEBERG SHEILA 675 DAVAAR AVE OUTREMONT QUE	B A 1 CR 7 3769
FINKELSTEIN BARBARA ANN 428 MORRISON AVE TOWN OF MT ROYAL QUE	B A 1 RE 7 2167
FINKELSTEIN HARVEY 7060 CHESTER AVE MONTREAL QUE	B SC 4 HU 8 2193
FINKELSTEIN JUDITH ANN ROYAL VICTORIA COLLEGE 36 ALTON RD PROVIDENCE R I USA	B SC 1 VI 2 0571
FINKELSTEIN MICHAEL F 794 LEXINGTON AVE WESTMOUNT QUE	B SC 4 HU 6 2322
FINKELSTEIN SHELDON 5712 WILDERTON AVE MONTREAL QUE	B C L 2 RE 7 2768
FINKLESTEIN JERRY Z 4947 GROSVENOR AVE MONTREAL QUE	MD CM 2 RE 7 2950
FINLAYSON PETER GORDON BRITTAIN HALL R R 5 ORMSTOWN QUE	B SC AGR 2
FIRTH NICHOLAS LOUIS D DOUGLAS HALL P O BOX 17 R F D 1 MT KISCO N Y USA	B A 1
FISCHER JANE ELLEN ROYAL VICTORIA COLLEGE QUEBEC CARTIER MINING CO PORT CARTIER QUE	B A 1 VI 2 0571
FISCHLER SANDRA 5533 ROBINSON AVE COTE ST LUC QUE	B A 2 HU 8 7486
FISH ALFRED JOSEPH 4805 DRAPER AVE MONTREAL 29 QUE	MD CM 3 HU 4 1828
FISH CHARLES R 3515 DUROCHER ST APT 51 BOX 925 WHEATLAND WYO USA	MD CM 4 AV 8 3016
FISH DAVID HENRY 4805 DRAPER AVE MONTREAL 29 QUE	B ENG 1 HU 4 1828
FISH MORRIS JACOB 690 SHERBROOKE ST W 853 MCEACHRAN AVE MONTREAL 8 QUE	B C L 2 VI 9 1550
FISH SYBIL ELFRIDA MACDONALD COLLEGE BOX 39 DIXVILLE QUE	B ED 1
FISHER DAVID 34 MAPLE AVE APT A STE ANNE DE BELLEVUE QUE	2 TCHRS 2
FISHER MARJORIE JOAN ROYAL VICTORIA COLLEGE 1154 HELLERMAN ST PHILADELPHIA 11 PA USA	B A 2
FISHER MAURICE WILLIAM J P O BOX 80 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 3 GL 3 6566
FISHER PAUL 6001 ST URBAIN MONTREAL QUE	B A 1 CR 6 6373
FISHER REGINALD 6420 MONKLAND AVE APT 34 MONTREAL 28 QUE	B SC 2 HU 8 4539
FISHER ROBERT HILL 570 MILTON ST APT 16 MTL 9112 128TH S W TACOMA 99 WASH USA	MD CM 1 VI 5 9547
FISHER SELMA ROSALIND 3177 ST SULPICE RD MONTREAL QUE	B SC 3 WE 2 2668
FISHER SHERRILL KATHERINE 459 SECOND ST ST LAMBERT QUE	B A 4 OR 1 3683
FISHLOCK MARGARET ANN 1095 DUNVEGAN RD TOWN OF MT ROYAL QUE	B A 2 RE 7 0919
FISK GEORGE EDWARD 7030 BIRNAM AVE MONTREAL 15 QUE	B SC 4 CR 9 0665
FISKUS PAUL PINHAS 4596 HUTCHISON ST APT 3 MONTREAL QUE	B ENG EL 5 CR 7 8109
FISSENDEN PATRICIA Y 14 MONTEE STE MARIE APT 2 STE ANNE DE BELLEVUE QUE	PARTIAL GL 3 6316
FITZ GERALD FRANCES LEXIE 3466 SHUTER ST APT 209 15 HAMPTON RD WICHITA 7 KANSAS U S A	M A 1
FITZSIMONS PATRICIA GAIL 4610 WESTMORE AVE MONTREAL QUE	B SC 3 HU 1 3060
FIXMAN MARCIA 2455 NOEL ST ST LAURENT QUE	3 TCHRS 1 RI 4 6522
FLAHERTY DAVID HARRIS 3650 BROADWAY LACHINE QUE	B A 3 ME 7 8229
FLAHERTY ROBERT A D 105 FOREST GARDENS PTE CLAIRE QUE	B SC AGR 1 OX 7 4735
FLAM CHARLES EDWARD 3616 DUROCHER APT 402 P O BOX 340 CHANDLER QUE	B A 2 VI 4 4875
FLAM DAVID JON APT 402 MTL P O BOX 340 CHANDLER QUE	B SC 3
FLANDERS BARBARA SEMA 6298 MACDONALD MONTREAL QUE	B A 2 HU 4 6898
FLANZ ALLAN ROBERT 761 STUART AVE OUTREMONT QUE	B ENG CIV 3 CR 7 9987
FLANZ LEONARD WALTER 4101 KENT AVE MONTREAL QUE	B A 4 RE 9 1457

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NAME ADDRESS	COURSE & YEAR TEL. NO.
FLEETWOOD WILSON ANTHONY CHARLTON HORETHORNE DORSET ENGLAND	B A 3
FLEISCHMANN JOHN JULES 48 CHESTERFIELD AVE WSTMNT 180 FIRST ST IBERVILLE QUE	GRAD QUAL 1 HU 9 9819
FLEISHER QUEENIE SORYL 4655 PLAMONDON AVE APT 7 MONTREAL QUE	3 TCHRS 1 RE 3 2997
FLEMING LEO PATRICK 52 BROCK AVE N MONTREAL WEST QUE	B SC 2 HU 1 5172
FLEMING RONALD A 326 BALLANTYNE AVE MTL W DUNDEE HUNTINGDON CO QUE	B COM 2 HU 6 3095
FLEMING STEPHEN CECIL 581 GROSVENOR AVE WESTMOUNT QUE	B C L 2 HU 1 2100
FLEMING SYLVIA FRANCES 55 FIFTH AVE PTE CLAIRE QUE	2 TCHRS 1 OX 5 3993
FLETCHER BARRY DAVIS 3466 MCTAVISH ST MTL 141 KETTERIDGE AVE STRATHROY ONT	MD CM 4 AV 8 9533
FLETCHER JOHN GARDINER 3015 SHERBROOKE ST W APT 203 MTL CARDINAL ONT	B COM 4 WE 5 6431
FLETCHER PATRICIA ANNE 55 VINET AVE DORVAL QUE	B SC N 3
FLETCHER RONALD GENE 1575 SUMMERHILL AVE APT 407 MONTREAL 25 QUE	D D S 4 WE 2 3986
FLIGEL LAWRENCE LEONARD 4865 COTE ST CATHERINE APT 6 MONTREAL QUE	B C L 3 RE 3 0483
FLINN ROBERT JAMES 173 ROSEVAL ST ROSE QUE	B ARCH 5 NA 5 1034
FLOMEN MARTIN DAVID 4853 FULTON MONTREAL QUE	B A 2 RE 7 2069
FLOOD CATHERINE M C 3486 WEST BROADWAY MONTREAL QUE	B SC H EC 1 HU 4 4367
FLOOD TRYPHENA M LAIRD HALL 80 CLARK HILL P O BOX 429 WATERLOO QUE	B SC H EC 4 GL 3 1830
FLORAKAS NICHOLAS E 918 ST LAWRENCE BLVD MONTREAL 1 QUE	B ENG MCH 4 UN 6 8035
FLY DOROTHEA BEAUCHAMP 115 SUNNYSIDE MTL 2 BECKMAN PL NEW YORK N Y USA	M A 1 HU 6 5815
FLYE JOHN ALLEN DOUGLAS HALL 89 LOWELL ST ANDOVER MASS USA	B SC 1
FLYNN BARRY NORMAN C 135 46TH AVE LACHINE QUE	B ENG CH 3 ME 7 5273
FOGEL MARTIN DAVID 5050 GROSVENOR AVE MONTREAL QUE	B COM 2 RE 8 3401
FOISY JEAN PIERRE W 4244 LANGELIER BLVD MONTREAL QUE	B ENG 1 CL 4 0436
FOK EDMUND YAT HIM 514 PINE AVE W MTL 72 KENNEDY RD HONG KONG	MD CM 2
FOLLETT RICHARD JAMES 17 LILAC AVE N DORVAL QUE	B ARCH 2 ME 1 8120
FONG ROBERT 3590 JEANNE MANCE ST MTL 156 8TH ST NORANDA QUE	B ENG EL 5
FOOTE JILL RODGERS 1409 ST CLARE RD MONTREAL QUE	B A 1 RE 8 7188
FOOTE JOHN W 1409 ST CLARE RD TOWN OF MT ROYAL QUE	MD CM 3 RE 1 5625
FORBES MARGARET LOUISE ROYAL VICTORIA COLLEGE 28 MATHESON AVE EDMUNDSTON NEW BRUNSWICK	B SC 3 VI 2 0334
FORD PATRICIA LYNNE ROYAL VICTORIA COLLEGE 116 HAWTHORNE DR BAIE D URFE QUE	B SC 3 VI 2 0334
FORDE JOHN MARTIN 8231 PLACE VAUJOUT VILLE D ANJOU QUE	M ENG 2
FORESTER GEORGE VICTOR 5020 POWELL AVE MONTREAL 9 QUE	B SC 2 RE 1 4633
FORESTER HAROLD 965 BERTRAND ST ST LAURENT QUE	B ENG EL 3 RI 4 5324
FORESTER RICHARD 5020 POWELL AVE MONTREAL 9 QUE	B SC 1 RE 1 4633
FORGET BERNARD GREGOIRE 410 WISEMAN AVE OUTRMT 600 MAIN ST WARREN R I USA	MD CM 2 CR 1 5879
FORGRAVE LYNN FRANCIS BRITTAIN HALL SAWYERVILLE QUE	B SC AGR 1
FORMAN DENA BESSIE 4603 DECARIE BLVD MONTREAL QUE	B A 1 HU 8 6183
FORMAN MARION HINDA 4694 VAN HORNE AVE MONTREAL QUE	B ED 2 RE 8 0957
FORREST JEAN WINNIFRED 58 BLOOR ST SUDBURY ONT	B N 2
FORRESTER ELIZABETH LAIRD HALL P O BOX 9 ORMSTOWN QUE	B SC H EC 4 GL 3 1830
FORRESTER MAUREEN ANN C 6523 14TH AVE MONTREAL 36 QUE	B N 2 RA 2 6679
FORSYTH JEFFREY DAVID 3621 OXENDEN AVE MTL 31 PRINCE GEORGE DR ISLINGTON ONT	B ENG 1
FORSYTHE JOHN FREDERICK MACDONALD COLLEGE PAKENHAM ONT	B SC AGR 1
FORTIER ANDRE MICHEL 440 MT STEPHEN AVE MONTREAL QUE	B SC 4 WE 7 2645
FORTIN CHARLES JOHN 3453 SHUTER ST MTL 20 ST LOUIS ST ST JOHNS QUE	B ENG EL 5 VI 3 6709

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
FORTIN JACQUES GILLES 3880 COTE DES NEIGES MTL 995 AVE DES ERABLES QUEBEC QUE	WE 5 1995	PH D 2
FORUSZ HARRIS NEPORENT 3841 ST KEVIN APT 7 MONTREAL QUE	RE 9 1446	B ARCH 4
FOSTER EDWIN ALBERT 3745 DUPUIS AVE APT 16 MONTREAL QUE		B C L 3
FOSTER NORA OLIVE ROYAL VICTORIA COLLEGE R R 1 FENELLA ONT	VI 4 0675	B A 1
FOTHERINGHAM EDWARD B 5 ST GEORGE S PL WESTMOUNT 6 QUE	HU 6 0892	B SC 2
FOTI ALEXANDER SANDOR 2660 GOYER ST APT 17 MONTREAL 26 QUE	RE 9 0477	PH D 2
FOULKES JOHN VICTOR MACDONALD COLLEGE 284 GREEN ST ST LAMBERT QUE		H S D DIP 1
FOULKS EDWARD F 3466 MCTAVISH ST MTL 15471 GLENWOOD DETROIT 5 MICH USA		MD CM 3
FOURNIER JOSEPH GUY ROGER 5973 LOUIS HEMON ST MONTREAL 35 QUE	RA 1 7787	B SC 2
FOWLER GAVIN IAN GORDON WILSON MEMORIAL HALL PLAZA SALA MANCA 9 MADRID SPAIN	VI 4 0624	B COM 2
FOWLER MARK STEPHEN 671 SIXTH AVENUE VERDUN QUE	PO 6 3496	B SC 2
FOWLER ROBERT GERALD 3120 GRANBY AVE APT 6 MONTREAL QUE	CL 4 3028	B ENG 2
FOX CAROLINE 6210 DEACON MONTREAL QUE	RE 8 7984	B A 1
FOX FREDERICK GEORGE R 67 BALLANTYNE AVE N MONTREAL WEST QUE	HO 6 7826	B A 3
FOX GEORGE JAMES 2151 LINCOLN AVE APT 22 23 ORANGE ST ST JOHN N B	WE 2 5481	B SC 4
FOX IRVING HARVEY 5571 KING EDWARD AVE MONTREAL QUE	HU 6 3472	B SC MDCM 1
FOX NORMAN LEONARD 765 STUART AVE MONTREAL 8 QUE	CR 2 4450	B ENG 2
FOX ROBERT 592 BERWICK TOWN OF MT ROYAL QUE	RE 8 5024	B ENG CH 5
FOX THERESA ELLEN ROYAL VICTORIA COLLEGE RICHELIEU BLVD ST HILAIRE EAST QUE	VI 9 0993	B A 1
FRAGATOS PETER 672 GRAHAM BLVD MONTREAL 16 QUE	RE 3 3111	B SC 4
FRAIBERG WILLIAM 4926 MIRA RD MONTREAL QUE	HU 8 1209	B A 3
FRAM JOAN ELIZABETH 3600 UNIVERSITY ST MTL 25 BALMORAL RD HALIFAX N S		M S W 1
FRANCHE NICOLE A M J 9055 ST DENIS ST APT 1 MONTREAL QUE	DU 8 8204	B SC P OT 1
FRANCIS JOHN DAVID 4341 MONTROSE AVE MONTREAL QUE	WE 5 5193	B A 2
FRANCIS JULIUS PATRICK 3622 DUROCHER ST APT 303 61 8 2 VICTORIA ST ROSEAU DOMINICA W I		B ENG 2
FRANCIS STEPHEN FREDERICK 4341 MONTROSE AVE MONTREAL QUE	WE 5 5193	B SC 2
FRANCOIS GERARD 4159 ST DENIS ST APT 15 14 B ST CAJ HAITIEN HAITI		GRAD QUAL 1
FRANCOMBE WILLIAM HEDLEY 7045 FIELDING APT 103 MONTREAL QUE	HU 8 1001	PH D 3
FRANDSEN PEGGY DIANE ROYAL VICTORIA COLLEGE RALSTON ALTA	VI 2 0113	B SC 2
FRANK BARRY 3973 9TH ST L ABORD A PLOUFFE QUE	MU 1 7933	B SC 4
FRANK EDWARD MORTIMER 473 QUERBES AVE MONTREAL 8 QUE	CR 7 8888	B ENG MCH 5
FRANK KAREN 5500 CAMPDEN PLACE MONTREAL QUE	RE 8 3050	B A 2
FRANK KENNETH 914 WILDER AVE MONTREAL QUE	RE 8 4330	B SC 1
FRANKEL HANNAH RIVA 635 ALGONQUIN AVE TOWN OF MT ROYAL QUE	RE 7 9519	B A 1
FRANKENBERG HERBERT B 5191 BRILLON AVE MONTREAL QUE	HU 1 5548	B L S 1
FRANKL TOM 5219 KING EDWARD MONTREAL QUE	HU 8 5668	B A 2
FRANKLYN JAMES M 3508 UNIVERSITY ST MTL 1039 JANE ST NORTH BAY ONT		B ENG 1
FRASER ALISTAIR ARNOLD D 421 SANFORD AVE ST LAMBERT QUE	OR 1 9754	B ENG CH 3
FRASER BARBARA LOUISE MACDONALD COLLEGE 337 RIVERSIDE DR OAKVILLE ONT		P E DIP 2
FRASER DAVID GEORGE 850 LEDUC ST ST LAURENT QUE	RI 4 2380	B ENG AM 4
FRASER DEANNA 715 49TH AVE LACHINE QUE	ME 4 3337	B SC P OT 2
FRASER DEREK G 29 BARAT RD MONTREAL QUE	WE 5 5873	B A 4
FRASER ELSPETH ISABELLA 6567 STARNES ST MONTREAL 28 QUE	HU 4 9067	B ED 4
FRASER JANAT HARRIET MARY ROYAL VICTORIA COLLEGE 19 LLOYD AVE LENNOXVILLE QUE	VI 2 0597	B A 1
FRASER JOAN MARY 53 ARLINGTON MONTREAL QUE	WE 4 1145	PARTIAL

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NAME ADDRESS	COURSE & YEAR TEL. NO.
FRASER JOHN BRYDON MACDONALD COLLEGE 47 WINDSOR AVE WESTMOUNT QUE	AGR DIP 2 GL 3 1997
FRASER JUNE CHRISTINE 320 ELDORADO AVE PTE CLAIRE QUE	2 TCHRS 1 OX 7 2097
FRASER KENNETH LYNN 715 49TH AVE LACHINE QUE	B ENG EL 5 ME 4 3337
FRASER ROSS PHILIP F 225 5TH AVE LASALLE QUE	H S D DIP I DO 6 8164
FRASER WILLIAM M 2985 MAPLEWOOD AVE MTL 2 AVON ST CAMBRIDGE MASS USA	D D S 3 RE 9 4096
FREDASON SHEILA 13 ST GEORGE ST STE ANNE DE BELLEVUE QUE 974 DAVAAR MONTREAL QUE	3 TCHRS 1
FREDERICK HELEN LYNN ROYAL VICTORIA COLLEGE 7 ALBERT ST S LINDSAY ONT	MUS B 1 VI 2 0571
FREEBOROUGH RICHARD M 3489 VENDOME AVE MONTREAL 28 QUE	B COM 2 HU 6 0872
FREED GERALD GORDON 1396 CARCL CRES ST MARTIN QUE	B C L 2 MU 1 0794
FREEDMAN ARTHUR NEWMAN 5707 KINCOURT ST MONTREAL 29 QUE	MED DIP 5 HU 9 9090
FREEDMAN GARY LAWRENCE 5724 KINCOURT AVE MONTREAL QUE	D D S 1 HU 1 2310
FREEDMAN HARVEY JOHN 4637 KENT AVE MONTREAL 26 QUE	MD CM 1 RE 3 6798
FREEDMAN HYMIE 271 DUFFERIN RD HAMPSTEAD QUE	B SC 4 HU 8 8644
FREEDMAN SUSAN FRANCES 112 SUNNYSIDE AVE MONTREAL QUE	B A 3 HU 6 9013
FREEDMAN SYLVIA BETH MACDONALD COLLEGE 4637 KENT AVE MONTREAL QUE	3 TCHRS 1
FREEDMAN YEHUDI 4782 COTE ST CATHERINE MONTREAL QUE	B ENG CIV 3 RE 3 6022
FREEMAN CAROL HARRIET 4922 LACOMBE AVE MONTREAL 29 QUE	B A 2 RE 8 5328
FREEMAN DAVID IAN 3463 SHUTER ST APT 1 MTL CENTRAL EXPERIMENT STN CENTENO TRINIDAD T W I	B SC 3 VI 5 0746
FREEMAN HELEN FRANCES V 4635 CLANRANALD MONTREAL QUE	B A 4 HU 8 7736
FREEMAN JOHN ALEXANDER 10 WEREDALE PARK APT 103 310 W GRAMERCY SAN ANTONIO TEXAS USA	MD CM 3 WE 3 3173
FREEMAN MILTON MALCOLM R ZOOLOGY DEPT 78 ALBION GATE LONDON W 2 ENGLAND	PH D 2
FREEMAN ROGER DANTE 3070 THE BOULEVARD MONTREAL 6 QUE	MED DIP 2 WE 3 6920
FREEMAN STANLEY 4850 COURTRAI AVE MTL 2198 CRUGER AVE BRONX 62 N Y USA	D D S 4 RE 1 1245
FREESE MANFRED 2351 HAMPTON AVE MONTREAL 28 QUE	B SC 1 HU 1 8551
FREETH CHARLES R J 2991 DOUGLAS AVE TOWN OF MT ROYAL QUE	B SC 1
FREI JAROSLAV VACLAV 4835 COTE ST CATHERIN RD MONTREAL 26 QUE	PH D 2 RE 3 6028
FREIHEIT MORTIMER GERALD 4935 HAMPTON MONTREAL QUE	B A 2 HU 8 0643
FRENCH DORIS VIOLET 48 MAPLE DR R R 2 PIERREFONDS QUE	B SC H EC 1 OX 5 4468
FRENCH SUSAN KAREN 4 DECARY PL DORVAL QUE	B SC 1 ME 1 4202
FRENETTE JACQUES 912 ST JOSEPH BLVD E MONTREAL QUE	B COM 1 LA 4 3115
FRENKEL ODED JONADAV 405 PRINCE ARTHUR W APT 12 MONTREAL QUE	M SC 1 VI 5 5734
FRENKEL VERA 405 PRINCE ARTHUR W APT 12 MONTREAL QUE	M A 2 VI 5 5734
FRETZ RUDOLF 160 BROCK AVE N MONTREAL WEST QUE	B ENG 2 HU 4 6386
FRICK AKOS 3512 DUROCHER ST APT 10 7958 BIRNAM ST MONTREAL QUE	B ARCH 6 VI 2 7419
FRIDMAN TAUBA MACDONALD COLLEGE 4707 MACKENZIE ST MONTREAL QUE	3 TCHRS 1
FRIED PETER ALEXANDER 12420 COUSINEAU ST MONTREAL 9 QUE	B SC 1 FE 1 0555
FRIEDBERG HERBERT ALFRED 2320 GOYER MONTREAL 26 QUE	B SC 2 RE 3 3308
FRIEDMAN DEANNA GERALDINE 48 ROXBORO AVE MONTREAL QUE	B A 1 HU 4 3207
FRIEDMAN ELEANOR ARLENE 4850 COTE ST LUC RD APT 49 MONTREAL QUE	B A 1 HU 8 9163
FRIEDMAN GERALD STEPHEN WILSON HALL 274 ASH ST MANCHESTER N H USA	B SC 1
FRIEDMAN HEATHER ROSLYN 4875 ISABELLA AVE MONTREAL QUE	3 TCHRS 1 RE 3 1443
FRIEDMAN MARK IAN 507 ROSLYN AVE WESTMOUNT QUE	B COM 1 WE 7 1839
FRIEDMAN NORMAN 4952 PLAMONDON MONTREAL 29 QUE	B COM 4 RE 3 5464
FRIEDMAN SANDRA SUSAN 5710 RAND AVE COTE ST LUC QUE	B A 2 HU 4 0483
FRIEDMAN SEYMOUR RONALD 4640 LACOMBE AVE MONTREAL 26 QUE	B ENG EL 5 RE 7 5303

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NAME ADDRESS	COURSE & YEAR TEL. NO.
FRIEDMANN FRANKLIN B 520 MILTON ST MONTREAL 18 QUE	B SC 1 VI 5 9617
FRISMANIS INTA 5140 KING EDWARD AVE MONTREAL 29 QUE	B SC 4 HU 9 2923
FRITZ ANTON 4140 LINTON AVE APT 6 65 DAVIDSON ST SUDBURY ONT	B ENG 2
FRITZ HOWARD MILES 601 STANSTEAD AVE TOWN OF MT ROYAL QUE	B ENG MET 4 RE 7 4742
FRIZZELL THOMAS FRANK 475 CRESCENT ST ST LAMBERT QUE	B SC 2 OR 1 1389
FROESE ARNOLD 29 PROSPECT ST WSTMT 797 QUEEN S AVE LONDON ONT	PH D 4 WE 2 5330
FROESE MARIANNE IRMA ROYAL VICTORIA COLLEGE 559 BURNELL ST WINNIPEG 10 MAN	B A 1 VI 9 0030
FROJMOVIC MAURICE MONY 1010 JEAN TALON W MONTREAL QUE	B SC 2 CR 4 5770
FROMM SUSAN ROYAL VICTORIA COLLEGE 180 CABRINI BLVD NEW YORK 33 N Y USA	B A 1 VI 2 0829
FROSST ALAN CHESTER 3625 RIDGEWOOD APT 501 MONTREAL QUE	PARTIAL RE 3 9723
FROST DAVID BRICE 4251 HAMPTON AVE MONTREAL 28 QUE	B A 1 HU 9 3763
FRUCHTER IRWIN 4730 VAN HORNE AVE MONTREAL QUE	B SC 2 RE 9 4665
FRUMKIN HARVEY 5436 TRANS ISLAND AVE MONTREAL 29 QUE	M SC APP 1 HU 1 9763
FRY COURTNEY STEWART C 3637 UNIVERSITY ST C O NATIONAL AND GRINDLAYS BANK LTD 54 PARLIAMENT ST LONDON S W 1 ENGLAND	B A 2 VI 9 1736
FRY EDMUND ARTHUR C 3434 MACTAVISH ST MTL 20389 LAKESHORE RD BAIE D URFE QUE	B SC 2 VI 2 4492
FUERSTENWALD MARIA ANNA 3578 LORNE AVE APT 21 MONTREAL 18 QUE	M A 1 AV 8 8377
FULCHER JESSIE MORRISON 11 BRYNMOR AVE MONTREAL WEST QUE	B SC 4 HU 6 3488
FULEKI TIBOR P O BOX 179 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 2 GL 3 4407
FULFORD WILLIAM DAVID 3436 DUROCHER ST APT 12 2 PATRICK RD MANDEVILLE JAMAICA W I	B ENG 1 VI 9 9790
FULLER IAN 4568 MELROSE AVE MONTREAL QUE	B ENG CH 4 HU 6 6817
FULTON GERALDINE E 102 DE LANGUEDOC PREVILLE QUE	M A 1 OR 1 9350
FULTON LAUREL ANNE ROYAL VICTORIA COLLEGE 106 QUEEN ST TRURO N S	B A 2 VI 2 0598
FULTON WALLACE MICHAEL 575 GREEN ST ST LAMBERT QUE	B COM 3 OR 1 8982
FUNG CHING 3651 DUROCHER ST APT 16 166 LOCKHART RD 3RD FLR HONG KONG	B ENG CIV 4
FUNG FRANKLIN KAI KEI 3558 JEANNE MANCE MTL 51 BLUE POOL RD G F HONG KONG	B SC 4 VI 5 1461
FUNG JUDY YIM FONG 1187 HOPE AVE APT 5 MONTREAL QUE	PARTIAL WE 2 4586
FUNG STEPHEN YAU HANG 3516 SHUTER ST APT 7 MTL 48 HIGH ST 3RD FL WEST POINT HONG KONG	B ENG 1
FUNNELL DONELDA JOAN 810 5TH AVE PTE AUX TREMBLES QUE	B ENG 2 MI 5 4087
FURBER ROBERT ARTHUR DOUGLAS HALL E FOSTER N FL EL GOLF SANTIAGO CHILE	B ENG 1
FURCHA EDWARD JULIUS UNITED THEOL COLLEGE BOX 306 BEDFORD QUE	B D 1
FUTTER EIKE 4290 KINDERSLEY APT 21 R R 1 PORT ELGIN N B	AGR DIP 2
FUZAILOF ELANA 5555 ST URBAIN APT 6 MONTREAL QUE	B A 1 CR 6 3422

G

GABOR FERENC 3553 DUROCHER APT 401 MONTREAL QUE	MED DIP 2 VI 4 6446
GABOR IVAN ROBERT 3500 RIDGEWOOD AVE APT 302 MONTREAL QUE	MD CM 1 RE 9 9300
GADACSI STEPHEN 3590 RIDGEWOOD AVE APT 105 MONTREAL QUE	B ARCH 2
GAETZ ELINOR L ROYAL VICTORIA COLLEGE 8 PARK ST W COPPER CLIFF ONT	B A 3 VI 2 0477
GAETZ NORMAN DOUGLAS 2024 METCALFE ST APT 4 1686 LINCOLNSHIRE BLVD PORT CREDIT ONT	B COM 4
GAFFNEY TERENCE J 84 ROXTON CRES MTL WEST 118 DRINKWATER ST SUDBURY ONT	M ENG 1 HU 4 5902
GAGNAN DOMINIQUE 3795 VAN HORNE MONTREAL QUE	B ENG EL 4 RE 7 6163
GAGNE LEONARD LEO 2285 ST MATHIEU APT 16 151 CYR ST THETFORD MINES QUE	B ENG CIV 5
GAGNE WAYNE CHARLES BRITTIAN HALL BOX 7 BROWNSBURG QUE	B SC AGR 1 GL 3 1828
GAGNON CAMILIEN JOSEPH X P O BOX 84 HUT B 15 MACDONALD COLLEGE FOREST BIOLOGY LAB P O BOX 35 SILLERY QUEBEC QUE	PH D 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GAGNON JEAN C 4530 GIROUARD AVE APT 8 MONTREAL QUE	B ARCH 4 HU 9 9423
GAGNON JOSEPH EMILE D BRITTAIN HALL LIMOGES ONT	B SC AGR 1
GAGNON MICHELINE MARY 119 LATOUR ST ST JOHN QUE	B ENG 1 FI 8 2507
GAGNON ROSEMARY ANNE 1540 SUMMERHILL AVE APT 3B MONTREAL 25 QUE	GRAD DIP 1 WE 7 4744
GAHERTY GEOFFREY GEORGE 636 SYDENHAM AVE WESTMOUNT QUE	B SC 2 HU 4 2402
GAILIS LAIMONIS 503 86TH AVE L ABORD A PLOUFFE QUE	B SC 4 MU 1 7788
GALARNEAU JOHN ROBERT 6217 LASALLE BLVD VERDUN QUE	B ENG CIV 5 PO 7 0609
GALE JOYCE LOUISE MACDONALD COLLEGE 202 LAURIER ST ASBESTOS QUE	2 TCHRS 1
GALILEO CARMEN JAMES 9252 CLARK ST MONTREAL QUE	B C L 2 DU 1 3256
GALL HUGH WILLIAM 4696 GROSVENOR AVE MONTREAL 26 QUE	B ENG 2 HU 8 3180
GALL LORNA MARGARET MACDONALD COLLEGE 385 37TH AVE LACHINE QUE	2 TCHRS 2
GALL ROBERT JOHNSTON 4 PARKDALE AVE VALOIS QUE	MD CM 2 OX 5 2768
GALLAY HENRY MORTON 3515 VAN HORNE AVE APT 6 MONTREAL QUE	PARTIAL RE 3 1019
GALLAY RALPH DOUGLAS HALL 490 CLOVERDALE RD ROCKCLIFFE PARK OTTAWA 2 ONT	B ENG CH 4 AV 8 8606
GALLEY ANN NORTON ROYAL VICTORIA COLLEGE 22 IVOR RD TORONTO 12 ONT	B SC 2
GALLEY WILLIAM CLAUDE 1069 CHURCH AVE VERDUN QUE	B SC 3 PO 6 5033
GALLO ERNEST ANDREW 3701 PEEL ST MTL R R 1 NIAGARA BLVD FORT ERIE ONT	B SC 2
GALLOWAY ALEXANDER LLOYD 485 VICTORIA AVE MONTREAL QUE	B ARCH 2 WE 2 3770
GALLOWAY DONALD JAMES 485 VICTORIA AVE WESTMOUNT QUE	B ENG CIV 5 WE 2 3770
GALLUP JENNIFER J 7355 CARTIER ST MONTREAL 35 QUE	B A 3 RA 8 4795
GALLUP JOAN AMANDA MACDONALD COLLEGE P O BOX 78 MELBOURNE QUE	2 TCHRS 2
GALT LESLEY MAUNSELL 4015 TRAFALGAR RD MONTREAL QUE	B A 1 WE 2 2409
GALUGA WALTER 4125 COLONIAL AVE MONTREAL 18 QUE	H S D DIP 1 AV 8 6502
GAMACHE JOSEPH GERALD P 1455 DUTRISAC ST LAURENT QUE	MED DIP 2 RI 8 8025
GAME JAMES WILLIAM WILSON HALL 22 DEPOT ST GRIMSBY ONT	B COM 1
GAMEROFF ROSALIND B 4910 MIRA RD MONTREAL QUE	B SC P OT 3 HU 4 3434
GAMEROFF SANDRA S 736 WILDER AVE OUTREMONT QUE	B L S 1 RE 8 1577
GAMWELL JOHN WHITE DOUGLAS HALL 1508 RIVERVIEW AVE PEEKSKILL NEW YORK USA	MD CM 2
GANDHI SUNIL KUMAR S 3615 DUROCHER MTL PURUSHOTTAM BLDG 4 B TRIBHUVAN RD BOMBAY 4 INDIA	PH D 2 VI 2 9161
GANG NICHOLAS FRANK 3740 MAPLEWOOD AVE APT 7 MONTREAL QUE	GRAD QUAL 1 RE 9 9956
GARBER FLORENCE 2 ST JOSEPH ST STE ANNE DE BELLEVUE QUE 7551 DE L EPPE AVE MONTREAL QUE	3 TCHRS 1
GARCEAU JEAN BRITTAIN HALL BOX 250A BANLIEUE THREE RIVERS QUE	B SC AGR 1
GARCIA HENX CARMEN DIANA ROYAL VICTORIA COLLEGE APT 6732 CARACAS VENEZUELA	B A 2 VI 2 0495
GARDINER WILLIAM LAMBERT 4151 HARVARD AVE MONTREAL 28 QUE	PARTIAL HU 6 1651
GARDNER CECILY ANN 4698 WESTMOUNT AVE WESTMOUNT QUE	B A 1 HU 1 4142
GARDNER FRANCES MARION 1509 SHERBROOKE W APT 35 320 MCKINNON AVE SASKATOON SASK	B L S 1 WE 5 8977
GARDNER MARGARET SUSAN 559 GROSVENOR AVE WESTMOUNT QUE	B A 1 HU 4 3390
GARDNER NORMAN ALFRED 4043 VENDOME AVE MONTREAL QUE	B A 1 HU 6 7462
GARDNER ROBERT WILSON 3551 UNIVERSITY ST MTL 2103 WILLIAM ST EVREKA CALIF USA	MD CM 2 AV 8 8075
GARELICK TEENA TOBA 5254 GLOBERT AVE MONTREAL 29 QUE	B A 4 HU 6 2298
GARELLEK ABRAHAM LEON 715 DE L EPEE AVE OUTREMONT QUE	D D S 4 CR 9 9213
GARFINKLE ROBERT IAN 1 DOUGLAS AVE WESTMOUNT QUE	B A 1 HU 4 1030
GARFINKLE SUSAN ANN 1 DOUGLAS AVE WESTMOUNT QUE	B C L 1 HU 4 1030
GARGANO BRIAN 753 6TH AVE LACHINE QUE	B ENG 1
GARGANO JOHN 753 6TH AVE LACHINE QUE	B SC 3 ME 7 4888

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
GARMAISE MICHAEL LYON 6040 WILDERTON AVE MONTREAL QUE	RE 8 3605	B C L 1
GARNEAU YVON GEORGES 7482 FABRE ST MONTREAL QUE	RA 9 2481	B ENG 1
GARNER GRAHAM DAVID 583 ALGONQUIN AVE MONTREAL 16 QUE	RE 7 6313	B A 4
GARONCE MICHAEL 6102 WILDERTON CRES MONTREAL QUE	RE 1 1456	B A 1
GARRARD ANN 1290 PINE AVE W MONTREAL QUE		M S W 1
GARRAWAY MICHAEL OLIVER BOX 207 MACDONALD COLLEGE CHARLOTTE VALLEY DOMINICA W I	GL 3 8526	M SC 2
GARRETT JAMES GORDON 2392 LOCKHART AVE MONTREAL 11 QUE	RE 9 0209	B ENG EL 5
GARTNER JACK ISSIE 4785 VICTORIA AVE MONTREAL QUE	HU 1 8849	B ENG 2
GARVEY JULIUS WINSTON J 3528 LORNE AVE MTL 12 MONA RD KINGSTON 6 JAMAICA W I	VI 5 9355	MD CM 4
GASS KATHERINE SUSAN ROYAL VICTORIA COLLEGE NORTH RIVER RD CHARLOTTETOWN P E I		B SC 2
GASSER HEINZ BOX 105 APT C3 MACDONALD COLLEGE PIKE RIVER MISEISQUOI QUE		M SC 1
GATEHOUSE BARBARA MARY G ROYAL VICTORIA COLLEGE 309 DEVONSHIRE HOUSE RIDEAU TOWERS CALGARY ALTA	VI 2 0526	B SC 4
GATENBY JOHN BRADSHAW BRITTAIN HALL KNOWLTON QUE		B SC AGR 1
GATES JOHN MILTON BRITTAIN HALL PORT WILLIAMS N S	GL 3 1830	B SC AGR 3
GATTI MICHAEL WILLIAM 1559 MCGREGOR ST MTL 11 NALLORD ST CHELSEA LONDON S W 3 ENGLAND		B COM 1
GAUDIN EGMONT 3515 SHUTER APT 4A MTL 46 8TH AVE TERRASSE VAUDREUIL QUE	VI 4 6311	PARTIAL
GAUDINE PHILIP BERNARD 425 ST JAMES ST VILLE ST PIERRE QUE	HU 6 8379	H S D DIP 1
GAUL JEAN MARIE 2860 BARCLAY AVE APT 9 MONTREAL QUE	RE 1 7050	PARTIAL
GAULEY FREDRICK ARTHUR R R 1 ST PHILIPPE QUE		2 TCHRS 1
GAUNCE ALAN P BRITTAIN HALL 58 ST ANDREW AVE BEACONSFIELD QUE		B SC AGR 3
GAUTHIER JOSEPH ADRIEN G 3325 BOIS FRANC ST LAURENT QUE	RI 7 6468	B SC 2
GAUTHIER M MADELEINE 18 BALLANTYNE S MONTREAL QUE	HU 6 7419	B N 2
GAUTHIER PATRICE 3467 SIMPSON ST MTL 203 REILLY ST ROUYN QUE	WE 3 0296	B ARCH 3
GAUVIN SUZANNE MARIE 44 CLAUDE AVE DORVAL QUE	ME 1 1366	PARTIAL
GAVIN MARGARET J 264 34TH AVE LACHINE QUE	ME 7 7389	B SC 3
GAW MELVINA RUTH HUNTINGDON QUE		B N 2
GAWNE ROGER EDEN 3482 MCTAVISH ST MTL THE RECTORY DEVONSHIRE BERMUDA	VI 9 5965	B COM 2
GAY GEORGE DEWITT 24 SUNNYSIDE AVE LAKESIDE LACHINE QUE	OX 5 3230	B SC 1
GAZAILLE GUY MARCEL R BRITTAIN HALL 3203 SHERBROOKE ST E MONTREAL QUE		B SC AGR 1
GEDDES DIANE ROSALIND 6 PARK PLACE APT 15 MONTREAL 6 QUE	WE 2 8606	B A 2
GEE HERBERT LAWRENCE 5297 CUMBERLAND AVE MONTREAL 29 QUE	HU 4 4523	B ARCH 2
GEHER LESLIE 3464 HUTCHISON ST MONTREAL QUE	VI 9 8559	PH D 3
GEISSLER PETER HANS 4881 BARCLAY AVE APT 4 MONTREAL 26 QUE	RE 7 9657	B ENG 2
GELBART ARNOLD 403 ST JOSEPH BLVD W MONTREAL 8 QUE	CR 2 4769	B ARCH 4
GELBER YAEL 802 UPPER LANSDOWNE AVE 47 JHEUDA HALEVI NATHNYA ISRAEL	HU 4 4519	PARTIAL
GELFAND BRAHM MARVIN 5823 DECELLES MONTREAL QUE	RE 1 5928	B C L 4
GELFAND ERWIN W 6607 FLEET RD COTE ST LUC QUE	HU 4 8377	B SC 3
GELFAND MERVIN RICHARD 2335 ST LOUIS ST ST LAURENT 9 QUE	RI 7 7388	M A 1
GELLER ANDREW 215 DRESDEN AVE MONTREAL QUE	RE 8 7835	B SC 1
GELLER LIONEL 22 FAIRMOUNT W APT 1 MONTREAL 14 QUE	CR 7 6679	B ENG CIV 4
GELLERT JUDITH 4650 CLANRANALD APT 12 MONTREAL QUE	HU 1 0569	PARTIAL
GELLIS PHILIP 4873 KENT AVE MONTREAL QUE	RE 8 3345	B COM 1
GEMMILL RICHARD WILLIAM J WILSON HALL HYMANY P O NORTHCLIFF JOHANNESBURG S AFRICA		B COM 1
GENENDER LINDA JOAN 2220 SHERIDAN RD MONTREAL QUE	RE 9 1239	B A 2
GENENDER STEPHEN EARL 4 KELVIN AVE OUTREMONT QUE	RE 8 2731	B SC 2

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GENEST RALPH ALLEN 34 COLLEGE MILITAIRE ROYALE ST JEAN QUE	B ENG 1 FI 6 5211
GENSER DAVID E DOUGLAS HALL 280 HARVARD AVE WINNIPEG 9 MAN	B A 3
GENTLEMAN LORNA ISABEL R 8021 UPPER LACHINE RD MONTREAL WEST QUE	B ED 4 HU 8 8577
GENTLEMAN WILLIAM MORVEN DOUGLAS HALL 635 8TH ST S LETHBRIDGE ALTA	B SC 2
GEORGARAS NICHOLAS 44 CHABANEL W APT 2 MONTREAL 11 QUE	B A 2 DU 9 6440
GEORGE GARY GRANT 3 14TH STREET ROXBORO QUE	B SC 1 MU 4 2611
GEORGE MARY AUDREY 468 MOUNT STEPHEN AVE WESTMOUNT QUE	B L S 1 WE 7 2257
GEORGE MICHAEL D 6540 15TH AVE MONTREAL 36 QUE	B SC 2 RA 2 7479
GEORGETTE LINDA ANN STEWART HALL 4902 MELROSE AVE MONTREAL QUE	B SC H EC 1
GEORGIADES JOHN 4368 FULLUM MONTREAL 34 QUE	B A 4 LA 2 3435
GERACIMO MARIA 30 STRATHCONA DR TOWN OF MT ROYAL QUE	B A 1 RE 7 7749
GERMAIN CLAUDE HENRI 2250 GRAHAM BLVD MONTREAL 16 QUE	B ENG 2 RE 8 7318
GERO STEVEN 5198 BYRON ST MONTREAL 29 QUE	B ENG 1 HU 6 4236
GEROLD KATHRYN MACDONALD COLLEGE 5210 GLOBERT ST MONTREAL QUE	2 TCHRS 1
GEROW AULDER LAIRD 3495 MOUNTAIN ST APT 101 MONTREAL QUE	PARTIAL VI 5 4410
GERSHBERG SIDNEY MARVIN 4627 CARLTON AVE MONTREAL QUE	B A 1 RE 3 6776
GERSOVITZ GERALD LOUIS 5015 GLENCAIRN RD MONTREAL 26 QUE	B SC 2 HU 6 3800
GERSOVITZ MYRNA BERYL 5015 GLENCAIRN AVE MONTREAL 28 QUE	B ENG EL 3 HU 4 5055
GERTEL MORRIS 2960 BRIGHTON AVE APT 7 MONTREAL QUE	MD CM 2 RE 3 8848
GERTIN SOLOMON 5477 HUTCHISON ST MONTREAL QUE	B SC 1 CR 4 6994
GERTSMAN PEGGY MARILYN 946 DUNLOP AVE OUTREMONT QUE	B A 1 RE 3 0493
GERTSMAN STEPHEN THEODORE 946 DUNLOP AVE OUTREMONT QUE	B ENG CIV 3 RE 3 0493
GERVAIS LAURENT 5253 KING EDWARD MONTREAL 29 QUE	MED DIP 4
GERVAN SUZANNE JEAN 7350 CHURCHILL RD TOWN OF MT ROYAL QUE	B A 3 RE 1 6187
GETSON GARY WAYNE 2390 LOCKHART AVE TOWN OF MT ROYAL QUE	B ENG 1 RE 1 0910
GETTER RUTH 6185 HUDSON RD APT 15 MONTREAL QUE	B SC 1 RE 7 8892
GEVAY BELA JOSEPH 2985 BEDFORD RD APT 8 MONTREAL 26 QUE	M ENG 1 RE 7 6882
GEWURZ SAMUEL 636 DUNLOP AVE MONTREAL QUE	B A 4 RE 3 9873
GHANEM IBRAHIM F S BOX 26 MACDONALD COLLEGE BECKET EL SABA EGYPT U A R	PH D 2
GHERMEZIAN ESKANDAR 4625 ST URBAIN ST MONTREAL QUE	B ENG 1 VI 9 8889
GHILCIG TOBIOS 2760 VAN HORNE AVE APT 2 MONTREAL QUE	B ENG EL 5 RE 9 2672
GIACOMELLI JULIAN FRANK 3434 MCTAVISH ST MTL CAMP HILL SOUTHAMPTON BERMUDA	B SC 4 VI 2 4492
GIANNETTI ALFRED 8782 TOLHURST ST MONTREAL QUE	B ENG CIV 5 DU 1 5550
GIANSANTE JEAN 2042 ST ZOTIQUE ST E MONTREAL 35 QUE	B ENG MET 5 RA 8 2229
GIBBON TIMOTHY ROYAL VICTORIA COLLEGE 129 E HARTWELL LANE PHILADELPHIA 18 PA USA	B A 3 VI 2 0334
GIBBONS MICHAEL 4063 VENDOME AVE MONTREAL QUE	B ENG EL 5 HU 6 6195
GIBBONS ROBERT ERNEST 4870 COTE DES NEIGES MTL TUCKERS TOWN BERMUDA	D D S 2 RE 3 8347
GIBBONS VALERIE ANN 4063 VENDOME MONTREAL QUE	B SC 3 HU 6 6195
GIBSON JAMES BROWN DUDLEY 20385 LAKESHORE RD BAIE D URFEE QUE	B SC 1 GL 3 8967
GIBSON JOHN CONRAD 428 SHERBROOKE ST W APT 25 MTL 2524 WEST 90TH ST PRAIRIE VILLAGE KANSAS USA	MD CM 4 AV 8 1464
GIBSON JOHN GEORGE 4203 OXFORD AVE MONTREAL QUE	B COM 3
GIBSON NATASHA 18 STRATHMORE BLVD STRATHMORE QUE	2 TCHRS 2 ME 1 6618
GIBSON ROBERT PAUL 26 RICHELIEU RD FORT CHAMBLY QUE	B A 2 OL 8 1632
GIBSON RONALD GILLIES BOX 599 ST BRUNO QUE	M A 2 OL 3 2923
GIGUERE RAYMOND C 400 RANGE 10 STE ADELE EN BAS TERREBONNE QUE	B COM 2

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Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
GILBERT ANN WARWICK 3492 PEEL ST MTL 7 DUNERAGGON COURT SAINT JOHN N B	B N 2 VI 2 7362
GILBERT ANTHONY ROBIN B 3156 THE BOULEVARD MONTREAL QUE	B SC 2 WE 2 9420
GILBERT CHRISTOPHER JOHN 3482 MACTAVISH ST MONTREAL QUE	B SC AGR 4
GILBERT ELEANOR MERLE 4992 BORDEN AVE MONTREAL QUE	B SC P OT 2 HU 4 6984
GILBERT JOSEPH JERRY 5169 JEANNE MANCE ST APT 3 MONTREAL QUE	B SC 4 CR 2 7862
GILBERT MARLENE FRANCES 4872 BOURRET APT 112 MONTREAL QUE	B A 3 RE 8 4857
GILCHRIST CAROL ANN 25 WOODSTOCK ST OTTAWA 3 ONT	HDICRAFTS 1
GILDAY DAVID 495 VICTORIA AVE WESTMOUNT QUE	B ENG EL 4 WE 2 3013
GILDEN LLOYD 3590 RIDGEWOOD AVE MONTREAL QUE	PH D 2 RE 3 6268
GILDEN ROSLYN MACDONALD COLLEGE 210 DUFFERIN RD HAMPSTEAD QUE	2 TCHRS 2
GILES MARGARET EDITH ROYAL VICTORIA COLLEGE PORT WILLIAMS KING S CO N S	B SC P OT 2 VI 9 0120
GILFILLAN JOHN DOHERTY 317 MORRISON AVE MONTREAL 16 QUE	B A 2 RE 7 9263
GILKES RICHARD HUGH WILSON HALL 4 LLANDENNIS RD CARDIFF U K	B A 2
GILL GEORGE ANTHONY D 3508 DUROCHER ST MTL 50 NEW ST PORT OF SPAIN TRINIDAD W I	B ARCH 3 VI 9 4352
GILL JOYCE MARGARET 1230 WAGRAM AVE MONTREAL SOUTH QUE	B SC N 3 OR 4 9503
GILL KULWANT SINGH 2049 MCGILL COLL APT 8 HINO B 13 468 CAPT SHAM LAT RD CIVIL LINES LUDHIANA PUIRJALE INDIA	B ENG 2
GILL LOUIS JOSEPH 51 NELSON OUTREMONT QUE	B ENG EL 5 CR 1 5534
GILL MARILYN 1230 WAGRAM AVE MONTREAL SOUTH QUE	B A 2 OR 4 9503
GILLAIN PIERRE RENE 5082 CHABOT MONTREAL QUE	M SC 2 CR 1 2181
GILLESPIE PETER JAMES 670 CLARKE AVE WESTMOUNT QUE	B SC 3 WE 2 7633
GILLESPIE THOMAS STUART 630 CLARKE AVE WESTMOUNT QUE	B C L 1 WE 2 7633
GILLETT PETER GEORGE 3445 STANLEY ST APT 11 150 OVERHILL RD YOUNGSTOWN OHIO USA	MD CM 2 VI 4 7060
GILLIES IAN BUCHANAN 3424 PEEL ST APT 17 MTL 44 HAMILTON AVE GLASGOW S 1 SCOTLAND	B COM 3
GILLMAN BARBARA ANN ROYAL VICTORIA COLLEGE 401 LEMESURIER AVE QUEBEC QUE	B A 4 VI 2 0334
GILMAN ELAINE 4847 BESSBOROUGH AVE MONTREAL QUE	B SC 1 HU 9 2766
GILMAN STUART EDWARD 5798 DARLINGTON AVE MONTREAL QUE	B SC 3 RE 7 8312
GILMER JOHN BRIAN 72 HUDSON AVE APT 9 TOWN OF MT ROYAL QUE	B A 2 RE 8 7396
GILMORE DAVID CUNNINGHAM 920 44TH AVE LACHINE QUE	B ENG 1 ME 7 4897
GILMORE GEORGE GARY 445 DESAULMIERE BLVD ST LAMBERT QUE	B SC 1 OR 1 0984
GILMOUR MARY STUART 1540 SUMMERHILL APT 412A 49 ST JAMES PL HAMILTON ONT	GRAD DIP 1
GILPIN CHRISTINE G LAIRD HALL 1 CHURCH ST MONTEGO BAY JAMAICA	2 TCHRS 1
GINSBERG LYNDA MACDONALD COLLEGE 6704 MERTON RD MONTREAL 29 QUE	2 TCHRS 1
GIORDANO IDA MARY S 2357 TERRACE GUINDON MONTREAL QUE	B A 3 LA 1 9186
GIRARD JOSEPH PAUL LEON 1462 MACKAY ST MTL 693 STE URSULE TROIS RIVIERES QUE	B COM 2
GIROLAMI SILVIO LIBERO 8592 REIMS ST MTL 546 NORMANDIE ST ARVIDA QUE	B SC 2 DU 9 3176
GIROUX LYNWOOD WAYNE 129 DOUGLAS SHAND PTE CLAIRE QUE	B ENG 1 OX 5 9349
GIRUPNIEKS JURIS GEORGE 2121 KIMBERLEY MONTREAL QUE	B ENG 1 VI 9 9514
GIRVIN JOHN PATTERSON 3640 HUTCHISON ST APT 2 MONTREAL 18 QUE	PH D 2 VI 5 5914
GITLITZ MELVIN HYMAN 2775 BARCLAY AVE APT 8 MONTREAL QUE	B SC 4 RE 3 6831
GIULIANI JOHN CHARLES 10820 VERVILLE AVE MONTREAL 12 QUE	B C L 1
GIULIANI RICHARD KENNETH 10820 VERVILLE ST MONTREAL QUE	B SC 3 DU 1 3280
GIVNER MORRY LINCOLN 5000 LA PELTRIE ST MONTREAL QUE	MD CM 1 RE 9 2864
GLANZ LIANE 4875 GROSVENOR AVE MONTREAL QUE	PARTIAL RE 3 1118
GLASER JANOS GEORGE M 4630 WALKLEY AVE APT 15 MONTREAL 28 QUE	B A 2 HU 9 7095
GLASHAN JOAN ANN 72 LOCKHART AVE TOWN OF MT ROYAL QUE	B SC 1 RE 7 0722

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GLASHAN KEITH ROBERT 72 LOCKHART AVE TOWN OF MT ROYAL QUE	B SC 1 RE 7 0722
GLASS GERALD 6432 CHERBROOKE ST W APT 10 MONTREAL QUE	B L S 1 HU 4 5513
GLASS JAMES R 3633 OXENDON MTL 315 LOCK ST DUNNVILLE ONT	B SC 4
GLASSFORD PETER B 5632 QUEEN MARY RD MONTREAL QUE	B C L 4 HU 9 9804
GLASSMAN STEPHEN DOUGLAS HALL 28 PRESTWICK TERR GLEN COVE NEW YORK USA	B SC 1 VI 2 4059
GLAZER VICTOR HARVEY 876 DOLLARD AVE OUTREMONT QUE	B SC 2 CR 1 5751
GLEN CATHERINE ELIZABETH 405 CRESCENT ST ST LAMBERT QUE	B A 4 OR 1 7346
GLENNIE JONET CARR 46 ACADEMY RD APT 18 WESTMOUNT QUE	B SC 2 WE 7 9048
GLENNIE THOMAS C 3485 MCTAVISH ST MTL OXFORD N S	B SC 3 VI 4 0424
GLICK HARRY 4563 CLARK ST MONTREAL QUE	MD CM 3 AV 8 3810
GLICK HYMAN 4563 CLARK ST MONTREAL QUE	B SC 4 AV 8 3810
GLICK NORMAN BERNARD 4563 CLARK ST MONTREAL QUE	B SC 1 AV 8 3810
GLICKMAN IVAN STEPHEN 444 WOLSELEY AVE MONTREAL QUE	B SC 1 HU 6 9715
GLICKMAN MELVYN JACOB 444WOLSELEY AVE N MONTREAL WEST QUE	B ARCH 3 HU 6 9715
GLOBUS MORTON 5565 KING GEORGE AVE COTE ST LUC QUE	B SC 3 HU 1 3351
GLORIEUX DOMINIQUE 3192 THE BOULEVARD WESTMOUNT QUE	B ENG MET 4 WE 2 5935
GLORIEUX FRANCIS 3192 WESTMOUNT BLVD MONTREAL QUE	B ENG EL 5 WE 2 5935
GLOUBERMAN DAVID 6645 MOUNTAIN SIGHTS AVE MONTREAL 29 QUE	B ENG 1 RE 8 4504
GLOUBERMAN SEYMOUR 1915 BARCLAY AVE MONTREAL QUE	B A 4 RE 7 5530
GLOUTNEY PETER ROBERT L J 1986 MASSON MONTREAL QUE	B A 4 LA 5 7839
GLOVER ALBERT GOULD 3458 DUROCHER ST MTL 1164 CENTRAL AVE NEEDHAM 92 MASS USA	B A 1
GOATCHER SARAH AMANDA P MACDONALD COLLEGE 123 CHAMPLAIN ST BAIE COMEAU QUE	3 TCHRS 1
GOBEIL NIL BRITTAIN HALL 1110 MARGUERITE BOURGEOIS SILLERY QUE	AGR DIP 1

NAME ADDRESS	COURSE & YEAR TEL. NO.
GODARD JEAN RUTH 15 BROCK AVE S MONTREAL W QUE	GRAD DIP 1 HU 4 7281
GODEFROY ISABEL MAUDE ROYAL VICTORIA COLLEGE 310 6TH AVE GRAND MERE QUE	B A 1
GODET MARTIN SCOTT 3434 MCTAVISH ST MTL PAGET BERMUDA	B A 4 VI 2 4492
GODFREY MARVIN JULIAN 1030 BALL AVE APT 3 MONTREAL QUE	B A 4 CR 1 5986
GODIN MADELEINE P 33 GRANVILLE RD HAMPSTEAD QUE	PARTIAL HU 6 3914
GODIN ROBERT PAUL 3660 MENTANA ST MONTREAL 24 QUE	B C L 2 LA 5 7129
GODLEY JOHN S WILSON HALL 62 B ROBINSON RD APT A 4 HONG KONG	B SC 3 VI 4 0624
GODWIN DAVID BRANDON 453 STRATHCONA AVE WESTMOUNT QUE	B ENG 2 WE 4 1220
GOEBEL IRIS GRETA 3420 RUE ST GERMAIN MONTREAL QUE	PARTIAL LA 2 6530
GOLBERG MICHAEL ARTHUR 4925 CUMBERLAND AVE MONTREAL QUE	B SC 3 HU 1 2029
GOLBERG THOMAS HARVEY 4927 CUMBERLAND AVE MONTREAL QUE	B SC 1 HU 1 1282
GOLD ANNA ELEANOR 4260 PLAMONDON AVE APT 8 MONTREAL QUE	B A 1 RE 8 0157
GOLD BENJAMIN KIVI 3483 PEEL ST MTL 347 PACKMAN AVE MT VERNON N Y USA	B SC 1 VI 2 0882
GOLD DAVID PERCY 3563 UNIVERSITY ST APT 7 MONTREAL 2 QUE	PH D 5 VI 9 8844
GOLD JESSICA JUNE 4875 DUFFERIN AVE APT 617 MONTREAL QUE	B A 1 HU 9 6341
GOLD JOSHUA MICHAEL 634 LAZARD AVE TOWN OF MT ROYAL QUE	B SC 1 RE 8 6962
GOLD LAURAINE HARRIET 5318 SNOWDON ST APT 44 MONTREAL 25 QUE	B SC 4 HU 4 6496
GOLD LOIS ESTHER 4915 FULTON ST MONTREAL QUE	B SC P OT 1 RE 1 1049
GOLD MICHAEL RICHARD 4752 CIRCLE RD MONTREAL QUE	B COM 4 HU 1 9139
GOLD PHIL 4872 BOURRET AVE APT 3 MONTREAL QUE	MD CM 4 RE 9 7933
GOLD RHODA VIVIEN 4582 STANLEY WEIR ST MONTREAL 29 QUE	B A 2 RE 1 6694
GOLD TERRI LEE 644 WESTLUKE AVE COTE ST LUC QUE	B SC 1
GOLDBERG ELAINE SANFT 4976 GLENCAIRN AVE MONTREAL QUE	GRAD QUAL 1 HU 1 9712
GOLDBERG GERALD SOLOMON 5590 CAMPDEN PL MONTREAL QUE	B COM 2 RE 8 1954

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GOLDBERG HENRY 4 ST CYRIL AVE OUTREMONT QUE	B SC 2 CR 4 7179
GOLDBERG MERLE 795 DAVAAR AVE APT 7 OUTREMONT QUE	2 TCHRS 1 CR 2 8334
GOLDBERG MYRNA PEARL 5616 WENTWORTH MONTREAL QUE	B A 1 HU 1 2471
GOLDBERG SAMUEL 4294 CLARK ST MONTREAL 18 QUE	H S D DIP 1 VI 2 5369
GOLDBERG URI 6210 DEACON RD APT 14 B MONTREAL 8 QUE	B ENG 1 RE 3 0583
GOLDBERG WILLIAM AARON 985 HARTLAND AVE OUTREMONT QUE	B A 1
GOLDBLOOM SHEILA 5 GROVE PARK WESTMOUNT 6 QUE	M S W 1
GOLDEN ALAN ZEBULON 4067 VENDOME AVE MONTREAL QUE	B C L 2 HU 1 2457
GOLDEN BARBARA 4870 JEAN BRILLANT MONTREAL QUE	B ED 3 RE 8 8364
GOLDEN HOWARD JOSEPH 4067 VENDOME AVE MONTREAL QUE	B A 1 HU 1 2457
GOLDEN ROBERTA SANDRA 2975 GOYER ST APT 7 MONTREAL QUE	3 TCHRS 1 RE 3 9195
GOLDENBERG MARVIN HENRY 5337 CUMBERLAND ST MONTREAL QUE	MD CM 4 HU 8 3233
GOLDENBERG SHIRLEY BLOCK 566 ROSLYN AVE WESTMOUNT QUE	PARTIAL HU 6 5035
GOLDENBLATT DAVID 6825 SOMERLED AVE MONTREAL 29 QUE	B A 4 HU 6 4227
GOLDENSON MARLENE 4960 MAPLEWOOD AVE APT 4 MONTREAL QUE	M S W 1 RE 3 6907
GOLDFIELD ETHEL 1315 VAN HORNE AVE APT 1 OUTREMONT QUE	B C L 4 CR 6 5150
GOLDMAN BRENDA LEE ROYAL VICTORIA COLLEGE 3031 HILL AVE REGINA SASK	B SC N 2 VI 2 0928
GOLDMAN DAVID 2525 GOYER RD MONTREAL QUE	B ENG 1 RE 3 6886
GOLDMAN LEWIS HAYS 3429 PEEL ST MTL 1000 PARK AVE NEW YORK 28 N Y USA	B A 3 VI 9 9928
GOLDMAN SAUL 2675 BEDFORD RD APT 15 MONTREAL QUE	B SC 1 RE 3 1637
GOLDMAN SUSAN K 5822 WESTLUKE AVE COTE ST LUC QUE	B SC 2 HU 6 9024
GOLDNER STANLEY IRWIN 5885 SQUART AVE MONTREAL 26 QUE	B ENG 1 RE 7 9838
GOLDRICH ABRAHAM ISAAC 4016 CITY HALL AVE MONTREAL QUE	PARTIAL VI 9 1881
GOLDSCHLEGER CAROLE 768 UPPER BELMONT AVE MONTREAL QUE	B A 1 HU 1 4839
GOLDSCHLEGER ROBERT M 768 UPPER BELMONT AVE MONTREAL QUE	B A 3 HU 1 4839
GOLDSCHLEGER STEPHEN S 768 UPPER BELMONT AVE MONTREAL QUE	B C L 2 HU 1 4839
GOLDSMITH HARRY L 4516 DECARIE BLVD APT 12 MONTREAL QUE	PH D 4 HU 4 3721
GOLDSPIEL ALFRED 1001 SHERBROOKE ST W MTL 2471 E 26ST BROOKLYN 35 N Y USA	B ENG 2
GOLDSTEIN JONAH MAX 1588 BERNARD W OUTREMONT QUE	B A 3 CR 9 6601
GOLDSTEIN MARC BEREL 5852 SOMERLED AVE MONTREAL 29 QUE	MD CM 1 HU 6 0587
GOLDSTEIN MARK HAROLD 4990 JEAN BRILLANT MONTREAL QUE	B SC 1 RE 8 7617
GOLDSTEIN MARTIN A 6212 TRANS ISLAND MONTREAL QUE	D D S 1 RE 3 4379
GOLDSTEIN MICHAEL ALLAN 707 VICTORIA AVE WESTMOUNT QUE	B A 2 HU 6 5877
GOLDSTEIN NORMAN PHILLIP 707 VICTORIA AVE WESTMOUNT QUE	B SC 4 HU 6 5877
GOLDSTEIN SHEBA MIRIAM 5175 COTE ST LUC RD APT 2 MONTREAL 29 QUE	M S W 1 HU 9 4194
GOLDSTEIN STEPHEN MYRON 4386 CIRCLE RD MONTREAL QUE	B SC 1 RE 7 2060
GOLDSTEIN YOINE JONAH 1923 CLINTON AVE MONTREAL QUE	B C L 4 RE 8 3194
GOLDWATER BRAM CHARLES 1560 BERNARD W OUTREMONT QUE	B A 1 CR 2 9395
GOLDWATER JO ANN 279 SHERATON DR MONTREAL WEST QUE	B SC P OT 3 HU 4 8668
GOLDWATER SYDNEY G 1560 BERNARD W OUTREMONT QUE	B SC 4 CR 2 9395
GOLFMAN MONA 3132 BRIGHTON MONTREAL QUE	PARTIAL RE 3 7062
GOLFMAN WALTER RONALD 5316 TRANS ISLAND AVE MONTREAL QUE	B COM 2 HU 6 5427
GOLFMAN WILLIAM ROBERT 720 KENASTON AVE TOWN OF MT ROYAL QUE	B A 2 RE 8 8521
GOLIGHTLY JOHN PAUL 960 44TH AVE LACHINE QUE	B SC 4 ME 7 8668
GOLLAND DELLA SUSAN MACDONALD COLLEGE 36 LAVIOLETTE AVE MONTREAL 8 QUE	2 TCHRS 2
GOLLOB SANDRA 5626 ELDRIDGE AVE MONTREAL QUE	B A 4 HU 4 3097
GOMEZ ROBERT FROILAN 3466 MCTAVISH ST MONTREAL QUE	MD CM 2 AV 8 9533
GONDA OTTO 3405 LINTON AVE APT 306 MONTREAL QUE	PH D 3 RE 1 5179

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GONDER DOROTHY RUBY ROYAL VICTORIA COLLEGE 1112 MAIN ST MONCTON N B	B SC N 1 VI 9 0993
GONDER ELEANOR ANNE 3480 ONTARIO AVE MTL 1112 MAIN ST MONCTON N B	MD CM 3 VI 2 0044
GONSALVES ALEXANDER A 253 MURRAY ST GEORGETOWN BR GUIANA	D D S 1
GONSALVES EDWARD MERVYN 201 METCALFE AVE APT 103 44 CEDAR ST FREEPORT LONG ISLAND N Y USA	B ENG 2 WE 7 8746
GONZALEZ DANIEL 3801 UNIVERSITY ST MTL GABRIEL MANCERA 1302 MEXICO 12 D F MEXICO	MED DIP 3 VI 2 1251
GONZALEZ JOSE NELSON MACDONALD COLLEGE 3522 VENDOME AVE MONTREAL 28 QUE	B SC AGR 1
GONZALEZ JOSEFA DE LAS N ROYAL VICTORIA COLLEGE MILANES 143 MATANZAS CUBA	B A 1 VI 2 0597
GONZALEZ NELSON ABEL 300 SHERBROOKE ST W MTL AVE MAXIMO GOMEZ 62 CIUDAD TRUJILLO DOMINICAN REPUBLIC	B SC 2 VI 2 0590
GONZALEZ VICTOR J 3463 SHUTER ST MTL 16 SCOTT BUSHE ST PORT OF SPAIN TRINIDAD T W I	B ENG EL 3 VI 5 0746
GOOCH DIANA JUDITH 336 LETHBRIDGE AVE MONTREAL QUE	B SC 4 RE 8 3719
GOOCH JOHN GREGORY 336 LETHBRIDGE AVE TOWN OF MT ROYAL QUE	B ENG EL 3 RE 8 3711
GOOCH PHILLIP WILLIAM 336 LETHBRIDGE AVE MONTREAL 16 QUE	B ENG 1 RE 8 3719
GOOD PAULA JEAN 3010 THE BOULEVARD MTL PIGEON HILL LILLEY BOTTOM NR LUTON BEDFORDSHINE ENGLAND	MD CM 1 WE 3 6037
GOODALE GLEN ALFRED RANG DES TRENTES R R 1 ST HILAIRE STN QUE	B SC 3
GOODE ROSEMARY ANN 188 LAKEVIEW AVE PTE CLAIRE QUE	B A 1 OX 5 6179
GOODFELLOW ROBIN LUCRETIA 134 CORNWALL AVE TOWN OF MT ROYAL QUE	B SC P OT 2 RE 8 2239
GOODLAND JAMES ROBERT A 3442 JEANNE MANCE ST MTL 57 HIGH ST KINGSTON GEORGETOWN BR GUIANA S A	B SC 2 VI 4 0927
GOODMAN STANLEY SAMSON 5826 COOLBROOK AVE MONTREAL QUE	B ENG 1 RE 9 0664
GOODMAN STEPHEN IRWIN 6262 WESTBURY AVE MONTREAL QUE	MD CM 2 RE 7 1521
GOODMAN SUSAN BLANCHE ROYAL VICTORIA COLLEGE 47 62 UTOPIA PARKWAY FLUSHING N Y USA	B A 1 VI 9 0993
GOODWIN HAZEL LOUISE 3417 ST FAMILLE ST MTL 64 OAK RD NORWOOD MASS USA	MD CM 4 VI 5 4066
GOODZ MURRAY 5985 MACDONALD ST MTL STE SOPHIE CO TERREBONNE QUE	B ARCH 3 RE 7 8808
GORDON ARNOLD 3841 MACKENZIE AVE MONTREAL QUE	B SC 2 RE 9 4379
GORDON BETTY ROSE LAIRD HALL 43 YORK ST GLACE BAY N S	2 TCHRS 2
GORDON DERRICK DESMOND 3647 UNIVERSITY ST MTL HIGHGATE P O P O BOX 21 JAMAICA W I	B ENG CIV 4 VI 9 2806
GORDON DOROTHY 260 SIMCOE AVE TOWN OF MT ROYAL QUE	B A 2 RE 9 3794
GORDON DOUGLAS DEWOLF 7400 MAYNARD AVE MONTREAL 16 QUE	M A 1 RE 3 0471
GORDON ELIZABETH ANNE 518 ROCKLAND RD TOWN OF MT ROYAL QUE	B A 3 RE 8 4551
GORDON EULA ADINA STEWART HALL 21 BAPTIST AVE PT ANTONIO JAMAICA W I	HDICRAFTS 1
GORDON IRENE JOAN 36 ROXBORO AVE WESTMOUNT QUE	M S W 1 HU 8 0889
GORDON MARK BERNARD 2500 BATHURST ST APT 904 TORONTO ONT	B A 3
GORDON NOEL CONANT 6765 9TH AVE MONTREAL 36 QUE	B A 1 RA 8 8981
GORDON PATRICIA ANNE MACDONALD COLLEGE BOX 176 SCOTSTOWN QUE	B ED 2
GORING NEIL L 2075 MACKAY ST MONTREAL QUE	D D S 3
GORMAN DAVID PHILIP FORT COVINGTON NEW JERSEY USA	MD CM 4
GORUK MORRIS BORYS 1841 LYALL ST MONTREAL 5 QUE	B ENG EL 4 CL 9 5360
GOSLING JOSEPH F 510 31ST AVE APT 34 VILLE LA SALLE C O S R CULLEN 184 RIDGEWOOD AVE HAMDEN CONN USA	D D S 3 DO 5 0472
GOSWAMI SANTOSH RANJAN 529 PRINCE ARTHUR ST W MONTREAL QUE	M ENG 1 VI 4 0804
GOTTESMAN FREDA K 4850 BOURRET APT 201 MONTREAL QUE	H S D DIP 1 RE 9 5886
GOUDIE JO ANN PEARL L 525 27TH AVE APT 10 PTE AUX TREMBLES QUE	B SC 3
GOUGEON GUY RENE JOSEPH 3601 ROUEN MONTREAL 4 QUE	B ENG EL 4 LA 1 5523
GOUGH BARBARA MARY 1009 SHERBROOKE ST W MTL 2425 ROSS CRESCENT PRINCE GEORGE B C	B SC 2 VI 4 0246

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GOUGH PAUL STUART 4315 MELROSE AVE APT 21 MONTREAL QUE	B SC 1 HU 8 1492
GOULD AVRUM 4524 HINGSTON AVE MONTREAL QUE	PARTIAL HU 1 2325
GOULD JUDY Q 4524 HINGSTON AVE MONTREAL QUE	B A 3 HU 1 2325
GOVIER WILLIAM CHARLES 3504 PARK AVE APT 1 MTL 47 COBB RD MOUNTAIN LAKES N J USA	MD CM 4 VI 2 2694
GOW ROLAND 5175 SHERBROOKE ST APT 16 MTL 739 MAIN ST LACHUTE QUE	B SC 2 HU 1 5495
GOWING CAROL ANNE E 405 GREENOCK AVE TOWN OF MT ROYAL QUE	B ED PED 4 RE 8 4921
GRADINGER HARVEY 5280 PONSARD AVE MONTREAL QUE	B SC 4 HU 8 2085
GRADY RICHARD K 3550 LINTON AVE MTL 53 LARCHMONT RD SALEM MASS USA	D D S 4 RE 9 8010
GRAHAM BRYAN GEORGE M 2015 DRUMMOND ST APT 100 MONTREAL QUE	B COM 1 VI 4 7006
GRAHAM DAWN MARGARET MACDONALD COLLEGE ATHELSTAN HUNTINGDON CO QUE	2 TCHRS 2
GRAHAM DONALD JOHN 2 MAPLE AVE APT 7 MTL STE ANASTASIE QUE	B SC AGR 1
GRAHAM GLENNA GLORIA MACDONALD COLLEGE WYMAN QUE	2 TCHRS 1
GRAHAM HAROLD DOUGLAS 1301 CALEDONIA RD TOWN OF MT ROYAL QUE	B SC 2 RE 8 7236
GRAHAM LINDA MARY A MACDONALD COLLEGE BOX 373 BROWNSBURY QUE	2 TCHRS 1
GRAHAM MARGARET ANNE 255 BEVERLEY AVE MONTREAL 16 QUE	B A 2 RE 7 9547
GRAHAM MARK WINGMORE LODGE ROSE ST WOKINGHAM BERKS ENGLAND	B SC 3
GRAHAM ROBERT RYAN MACDONALD COLLEGE 32 HIGHLAND DR TRURO N S	B SC AGR 3
GRAIF LINDA LEWIN 5488 AVONMORE AVE MONTREAL QUE	PARTIAL HU 6 8100
GRANDMAISON BARBARA GAIL MACDONALD COLLEGE BOX 28 BUCKINGHAM QUE	2 TCHRS 1
GRANNUM PAMELA ENID 3547 JEANNE MANCE ST MTL NAVY GARDENS CHRIST CHUR CH BARBADOS W I	B SC P OT 2 VI 8 2660
GRANT CAROL ANNE MACDONALD COLLWGE 1024 34TH AVE LASALLE QUE	2 TCHRS 1
GRANT DONALD LLOYD BOX 125 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 1
GRANT GEORGE ROBERT 3941 A CARLTON AVE MONTREAL QUE	PH D 5 RE 3 2548
GRANT HUGH DAVID 466 MT STEPHEN AVE WESTMOUNT 6 QUE	B A 1 WE 7 2206
GRANT IAN ALEXANDER DOUGLAS HALL 1165 DEVONSHIRE RD WINDSOR ONT	B COM 2
GRANT JACQUELINE ANN 105 46TH AVE LACHINE QUE	2 TCHRS 1 ME 7 3920
GRANT JAMES ANDREWS 241 1ST ST ST LAMBERT QUE	B C L 3 OR 1 7388
GRANT JANET PAULETTE 3439 SHUTER ST MTL WHITE CAPS HARRINGTON SOUND BERMUDA	MD CM 2 VI 4 5408
GRANT JOHN MACGREGOR 3583 UNIVERSITY ST MTL 407 MINTO PL OTTAWA 2 ONT	B SC 4 VI 9 9092
GRANT JOHN NIGEL MURRAY WILSON HALL KNOCKIE WHITEBRIDGE INVERNESS SHIRE SCOTLAND	B SC 1
GRANT JOY SYLVIA LAIRD HALL ROY TERRACE MARABELLA TRINIDAD W I	B SC H EC 2
GRANT JUDITH ANNE 180 DESAULNIERS BLVD ST LAMBERT QUE	B SC P OT 1 OR 1 6869
GRANT ROBERT MURRAY R R 1 STE MARIE RD STE ANNE DE BELLEVUE QUE	B SC AGR 2 GL 3 6270
GRAUL DOROTHY JEAN MACDONALD COLLEGE 474 STRATHCONA AVE WESTMOUNT QUE	2 TCHRS 2
GRAVEL PAUL GEORGE 1441 DRUMMOND ST MTL 1139 CARTIER QUEBEC QUE	B ENG CIV 4
GRAVENOR COLIN ALEXANDER 181 DUFFERIN RD MONTREAL QUE	B A 1 HU 1 4444
GRAVES MARY BARBARA 6191 COTE ST LUC RD APT 202 HAMPSTEAD QUE	B A 1 HU 9 5019
GRAVINO NICOLA ROSARIO 8905 ST DENIS MONTREAL QUE	B ENG CH 4 DU 8 3464
GRAY KAREN NORMA 5625 WESTLUKE COTE ST LUC QUE	B A 2 HU 9 6219
GRAY LESLEY R ROYAL VICTORIA COLLEGE 206 ST CHARLES RD BEACONSFIELD QUE	B SC 4 VI 2 0477
GRAY MARILYN L LAIRD HALL 71 GLENRIDGE AVE ST CATHARINES ONT	B SC H EC 4 GL 3 1830
GRAY MICHAEL F 10 LANSDOWNE GDNS PTE CLAIRE QUE	B COM 1
GRAY NORMAN CUNNINGHAM DOUGLAS HALL 928 E LEHMAN ST LEBANON PA USA	MD CM 3
GRAY THOMAS MACINTYRE 1575 SUMMERHILL AVE MONTREAL QUE	B A 1 WE 2 8465

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
GRAY DONALD GEORGE 128 ARLINGTON AVE WESTMOUNT QUE	WE 7 1439	B COM 2
GREEN ABRAHAM 757 BLOOMFIELD APT 3 OUTREMONT QUE	CR 6 8410	B SC 2
GREEN AMY 1441 DRUMMOND ST MTL 1347E 17TH ST BROOKLYN 30 N Y USA		MD CM 1
GREEN FLOYD EDWIN 3473 UNIVERSITY ST MTL 2 LYN ONT	VI 9 1791	B D 3
GREEN MARTIN 4502 ROYAL AVE MONTREAL QUE	HU 4 4910	B A 1
GREEN MARY K B ROYAL VICTORIA COLLEGE 118 MOHAWK TRAIL WAYNE N J USA	VI 2 0598	B A 3
GREEN MICHAEL 5556 RANDALL AVE COTE ST LUC QUE	HU 8 7133	B A 1
GREEN MICHAEL JOHN 640 DAWSON AVE TOWN OF MT ROYAL QUE	RE 3 5707	B ENG EL 4
GREEN PETER 91 ST CATHERINE RD MONTREAL QUE	CR 2 7758	B SC 2
GREENBERG BRYNA 6840 WESTBURY AVE MONTREAL QUE	RE 7 8766	B A 2
GREENBERG CHARLES HOWARD 5882 HUDSON RD MONTREAL QUE	RE 8 5850	B SC 2
GREENBERG DOROTHY SHEILA 4765 MAPLEWOOD AVE MONTREAL QUE	RE 8 5489	B A 1
GREENBERG EDWARD 6300 LENNOX AVE MONTREAL QUE	RE 7 2992	B A 1
GREENBERG HERBY JACK 4611 ROYAL AVE MONTREAL QUE	HU 6 2609	B SC 1
GREENBERG JANICE DOROTHY 19 ABERDEEN AVE MONTREAL QUE	WE 3 4867	B A 4
GREENBERG LEONARD 815 BRUNET ST ST LAURENT 9 QUE	RI 4 3191	B SC 1
GREENBERG SYDNEY 2539 GOYER ST MONTREAL QUE	RE 3 2131	B ENG CH 5
GREENBLATT GERALD 2805 DARLINGTON PL APT 15 MONTREAL QUE	RE 7 0956	M S W 1
GREENBURY ROBERT ALLAN 118 WICKSTEED AVE TOWN OF MT ROYAL QUE	RE 7 3063	B ENG CIV 5
GREENIDGE NEWLANDS EROTO DOUGLAS HALL MOORLANDS GRAZETTES ST MICHAEL BARBADOS W I		B SC 1
GREENSPOON ARTHUR 811 DAVAAR MONTREAL QUE	CR 4 3827	B SC 1
GREENSPOON BARBARA 6265 CLANRANALD AVE MONTREAL QUE	RE 7 9667	3 TCHRS 1
GREENSPOON JANET HELEN 617 CARLETON AVE WESTMOUNT QUE	HU 1 4722	B SC 1
GREENSTEIN DAVID LAWRENCE BRITTAIN HALL 7429 BLOOMFIELD MONTREAL QUE	CR 9 3605	P E DIP 1
GREENSTONE ARLENE FRANCES MACDONALD COLLEGE 795 BRUNET ST ST LAURENT QUE		3 TCHRS 1
GREENWOOD ELLEN SUSAN 644 LANSDOWNE AVE WESTMOUNT QUE	HU 4 3089	B A 1
GREENWOOD FRANK MURRAY 3430 MCTAVISH ST APT 103 MONTREAL QUE	VI 2 4387	B C L 3
GREER THOMAS 43 QUEEN S RD VALOIS QUE	OX 7 3447	B SC 3
GREFF JULIUS S P O BOX 133 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE		B SC AGR 4
GREGORIEFF HELEN 8130 BLOOMFIELD AVE MONTREAL QUE	CR 9 1669	B A 1
GREGORY ALBERT PETER APT 7A MACDONALD COLLEGE ST ANNE DE BELLEVUE QUE		B ENG EL 3
GREGORY JOAN VICTORIA MACDONALD COLLEGE 454 FAIRFIELD AVE GREENFIELD PARK QUE	OR 1 6204	B ED 2
GREIG ALAN WILLIAM 4814 VICTORIA AVE MONTREAL QUE	HU 9 4480	B ENG MCH 4
GREIG JOHN ANGUS 4814 VICTORIA AVE MONTREAL QUE	HU 9 4480	B SC 1
GRENKIE LYNDA B A MCLENNAN HALL BOX 132 ROSETOWN SASK	VI 2 0044	B SC P OT 3
GREY PETER 5175 SHERBROOKE ST W APT 16 MONTREAL QUE	HU 1 5495	B SC 4
GREYBORN ANN 3821 OXFORD AVE MTL 214 WILLIAM ST COWANSVILLE QUE	HU 6 6267	B SC 2
GRIEF HOWARD 854 WISEMAN AVE OUTREMONT 8 QUE	CR 2 5278	B A 4
GRIERSON BRUCE JOHN 3851 UNIVERSITY ST MONTREAL 2 QUE	VI 4 7588	B ENG MET 5
GRIEVE BEY LEWIS 4982 QUEEN MARY APT 19 965 HENRY ST MOOSE JAW SASK		B L S 1
GRIFFIN MARGARET ANN ROYAL VICTORIA COLLEGE 21 DUNVEGAN RD TORONTO 7 ONT	VI 2 0597	B A 1
GRIFFITH PATRICIA 3421 SHUTTER ST APT 5 MONTREAL 18 QUE	VI 4 8710	PARTIAL
GRIFFITHS BERTRAM WALTER 4970 QUEEN MARY RD APT 12A MONTREAL QUE	RE 9 9286	M SC 2
GRIFFITHS HARRY WILLIAM 3431 DRUMMOND ST MTL 208 ROSEMARY RD TORONTO 10 ONT		B ENG CIV 4
GRIFFITHS KENNETH 801 43RD AVE LASALLE QUE	DO 6 5763	B ENG MCH 3
GRIMES GRAEME RHODERICK 481 PRINCE ARTHUR ST W 48 SUMMIT RD PORT WASHINGTON N Y USA	AV 8 7773	B SC 1

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
GRISDALE JOHN MCARTHUR P O BOX 333 HUDSON QUE	BE 6 5549	M A 2
GROBSTEIN LINDA SUSAN 708 VICTORIA AVE MONTREAL QUE	HU 8 8473	B A 2
GRODDE FRED JULIUS PETER 2247 ADDINGTON AVE MTL 384 RICHMOND RD OTTAWA ONT	HU 1 4002	B A 2
GROFF MARIAN EDITH C MCLENNAN HALL 2111 NICOLAL PERROT THREE RIVERS QUE	VI 9 0580	B SC P OT 2
GROSE JOHN HOWARD 3539 HUTCHISON ST MTL 3 GARDEN TERR HONG KONG	VI 5 8791	B SC 3
GROSS BARBARA ELLEN 4680 CIRCLE RD MONTREAL 29 QUE	HU 6 2457	B A 1
GROSS GUSTAVE 5331 JEANNE MANCE MONTREAL QUE	CR 9 4383	B ENG 1
GROSS JANICE MARION 790 LEXINGTON AVE WESTMOUNT QUE	HU 4 3692	B A 1
GROSS MANNY MARVIN 5285 PONSARD AVE MONTREAL QUE	HU 1 0519	B ENG 2
GROSS MARTIN 4700 PLAMONDON APT 10 MONTREAL QUE	RE 3 6612	B C L 4
GROSS SUSAN GAIL 790 LEXINGTON AVE WESTMOUNT QUE	HU 1 6271	B A 1
GROSS VERA LINDA 5215 VICTORIA AVE MONTREAL QUE	RE 9 5623	B A 1
GROSSNER CYRELE 5240 VAN HORNE AVE MONTREAL QUE		MUS B 1
GROTHE PIERRE ARMAND 44 SIMCOE AVE MONTREAL 16 QUE	RE 7 2570	B COM 2
GROUNDWATER ALEXANDER J B 210 2ND ST ST LAMBERT QUE	OR 1 7502	B SC 2
GROUNDWATER FERGUS MINER 210 SECOND ST ST LAMBERT QUE	OR 1 7502	B ENG MCH 4
GROUT ROBERT CAMERON L 68 ARLINGTON AVE WESTMOUNT 6 QUE	WE 7 3726	B SC 3
GROVE EDWARD WILLIS 3629 LORNE MTL 200 W 15TH ST NORTH VANCOUVER B C	VI 2 0364	PH D 2
GROVER FARLA KELLNOR 31 OAKLAND AVE MONTREAL QUE	HU 1 3318	PARTIAL
GROVU GEORGE JOHN 1937 BAILLE ST MONTREAL QUE	WE 5 8045	M A 1
GRUNBLATT ABRAHAM JOSEPH 3734 KENT AVE MONTREAL QUE	RE 8 0848	M A 3
GRUNER NICHOLAS N 911 CALEDONIA RD TOWN OF MT ROYAL QUE	RE 8 5994	B A 1
GRYWIN ELIZABETH SOPHIA 2055 ATWATER AVE MONTREAL 25 QUE	WE 3 8029	B A 1
GUBBAY ALINE 59 WINDSOR AVE WESTMOUNT QUE		PARTIAL

NAME ADDRESS	TEL. NO.	COURSE & YEAR
GUBERMAN JOEL 2262 GOYER ST MONTREAL QUE	RE 3 2850	B SC 1
GUERTIN JACQUES PETER 76 2ND AVE ROXBORO QUE	MU 4 2216	PH D 1
GUERTIN PETER EMILE 662 EMILE ST REPENTIGNY QUE		B COM 1
GUERTIN PIERRE I 548 SHERBROOKE W MTL 1 FRONT ST HULL QUE	VI 4 0551	B ARCH 4
GUGIS TADAS 2040 VICTORIA ST MTL 200 HOLTON AVE S HAMILTON ONT	VI 5 0078	B SC 2
GUILD BARBARA LAWRENCE 22 CEDAR AVE PTE CLAIRE QUE	OX 5 3054	B ED 3
GUILLEMETTE NORMAND 2033 BOISVERT SHAWINIGAN QUE 100 VERDI LAVAL DES RAPIDES QUE		B ENG CH 4
GUIMONT MAURICE SYLVIO J 1615 LINCOLN ST APT 16 P O BOX 357 GRAND FALLS N B	WE 5 3847	B ENG CH 5
GUINNESS FIONA EVELYN ROYAL VICTORIA COLLEGE BIDDESDEN HOUSE ANDOVER HANTS ENGLAND		B SC 1
GULLACHER CURTIS DOUGLAS HALL R R 4 CALGARY ALTA		B A 1
GUNDY PETER VERITY 30 STRATFORD RD HAMPSTEAD QUE	HU 6 6230	B C L 1
GUNJIAN NEVART NAIRI ROYAL VICTORIA COLLEGE 7 ARMANT ST CLEOPATRA LES BAINS ALEXANDRIA EGYPT U A R	VI 2 0477	B A 3
GUNN CHARLES ALEXANDER DOUGLAS HALL 830 TALBOT ST LONDON ONT		B ARCH 2
GUNN JOHN D 4630 HINGSTON AVE MONTREAL QUE		B SC 2
GUNTHER GEORGE 5490 DECARIE BLVD APT 7 MONTREAL QUE	HU 8 9998	B A 4
GUNTHER MARJORIE M STEWART HALL 6 LEONIA ST CORNWALL ONT		B SC H EC 3
GUPTA VIJAI PRAKASH 2135 BEACONSFIELD AVE APT 209 MTL BIRDOPUR VARANASI 6 INDIA	HU 9 6115	PH D 2
GURALNICK MELVIN STEVEN 767 DAVAAR AVE MONTREAL QUE	CR 9 4921	B A 4
GURBERG DAVID WILLIAM 550 DORAIS ST LAURENT QUE	RI 4 6994	B A 4
GURD DAVID P 2161 GRAHAM BLVD MONTREAL 16 QUE	RE 8 8628	B SC 4
GURD KATHARINE NEWMAN STEWART HALL 3180 THE BOULEVARD WESTMOUNT QUE		2 TCHRS 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
GURRIN PETER MATTHEW 4255 ST CATHERINE ST W WESTMOUNT QUE	MED DIP 1 WE 3 1833
GURRIN TERESA MARY 4265 ST CATHERINE ST W WESTMOUNT QUE	GRAD DIP 1 WE 3 1833
GURSKY CATHERINE MARILYN 8475 CENTRALE LA SALLE QUE	B A 1 DO 6 4503
GUSSOW MARGARET ELIZABETH 7425 CANORA RD APT 301 6 ST GEORGES CRES EDMONTON ALTA	B A 4 RE 9 6826
GUTELIUS JOHN ROBERT 10 NORTHCOTE RD HAMPSTEAD QUE	MED DIP 5 HU 4 3465
GUTENPLAN BARRY 1125 LAJOIE AVE APT 11 OUTREMOUNT QUE	B SC 1 CR 9 2939
GUTHRIE ARTHUR DEREK 3325 MAPLEWOOD AVE APT 507 MONTREAL QUE	B C L 4 RE 3 0312
GUTHRIE LINDA ANNE 633 ROSLYN AVE WESTMOUNT QUE	2 TCHRS 1 HU 4 6603
GUTHRIE PETER A 633 ROSLYN AVE WESTMOUNT QUE	B SC 3 HU 4 6603
GUTMANN FRANCIS 1445 FORT ST MONTREAL QUE	PH D 3 WE 7 6670
GUTTMAN ALLAN 6002 MOUNTAIN SIGHTS AVE MONTREAL QUE	B ENG EL 3 RE 7 1509
GUTTMAN MARTIN D BRITTAIN HALL 2492 BEDFORD RD MONTREAL 26 QUE	B SC AGR 3
GUTTMAN SUE CAROL 6915 LEMIEUX MONTREAL QUE	B A 3 RE 7 2102
GUY JEAN 430 WILLOWDALE APT 5 MONTREAL 26 QUE	B C L 4 RE 1 1652
GUY BRAY JOHN VICTOR 637 MILTON APT 1 MONTREAL 18 QUE	PH D 4 VI 4 5609
GYALLAY CHRISTINE EVA 4970 COTE DES NEIGES MONTREAL 26 QUE	B A 2 RE 3 0994
GYAPAY ESTHER 3629 LORNE CRES APT 6 P O BOX 144 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B A 4 VI 2 0364
GYBELS JAN M G M 3801 UNIVERSITY ST MONTREAL QUE	MED DIP 2
GYENES LADISLAS 4100 COTE ST CATHERINE APT 3 MONTREAL QUE	PH D 4 RE 3 6269

H

NAME ADDRESS	COURSE & YEAR TEL. NO.
HAACK ROBERT GERALD 5230 TRENHOLME AVE MONTREAL 29 QUE	B ENG 2 HU 1 2516
HABEGGER JAMES HOWARD 3555 ATWATER AVE APT 302 815 ROCKLEDGE DR ROCKLEDGE FLA USA	MD CM 1 WE 2 6045
HABER HARVEY 119 FINCHLEY RD HAMPSTEAD QUE	B A 2 HU 6 4342
HABERMANN JACK PIERRE L 274 LUCON ST PONT VIAU QUE	B ENG 1 MO 9 5785
HABIB HENRY PIERRE 3203 MAPLEWOOD AVE MONTREAL 26 QUE	PH D 2 RE 7 4519
HACKER FRED HERMANN 5249 PARK AVE APT 318 3329 60TH ST WOODSIDE 77 NEW YORK USA	PH D 2 CR 6 7059
HACKWELL CAROL JOY 6210 NOTRE DAME DE GRACE MONTREAL 28 QUE	GRAD DIP 1 HU 1 7417
HADDAD ZAHIA 6234 24TH AVE APT 3 MONTREAL 36 QUE	B SC 1 RA 1 3209
HADLEY BEVERLEY ANNE 117 VINCENNES AVE VALOIS QUE	B SC H EC 2 OX 5 2813
HADLEY DOUGLAS STINSON 761 GREEN ST ST LAMBERT QUE	M A 1 OR 1 3184
HADLEY GLEN KENNETH BRITTAIN HALL HEMMINGFORD QUE	AGR DIP 2
HAGAN BRIAN JAMES PRESBYTERIAN COLLEGE R R 1 NELSON B C	B ENG 1
HAGGLUND GRACE LORRAINE 3455 HUTCHISON ST MTL P O BOX 48 TEULON MAN	M S W 2
HAHAMOVITCH DONALD EDWARD 6955 FIELDING AVE APT 102 MONTREAL 29 QUE	B C L 4 HU 1 0916
HAIN MELVYN 5561 BEAMINSTER PLACE MONTREAL QUE	B COM 1 RE 7 2493
HAINES HOWARD JOHN C 56 HARWOOD BLVD DORION QUE 222 PRINCE ALBERT AVE WESTMOUNT QUE	H S D DIP 1
HAISLEY RAYMOND B 3557 LORNE AVE APT 4 MONTREAL QUE	B A 4 VI 4 8268
HAKKENBERG PETER WILSON HALL P O BOX 58 TEHRAN IRAN	B ENG 2 VI 4 0624
HAKKENBERG VAN GAASBEEK R WILSON MEMORIAL HALL P O BOX 58 TEHRAN IRAN	B ENG 1
HALAPY KAMILLO LESLIE 4166 SHERBROOKE ST W MONTREAL QUE	B ENG 2 WE 3 0454
HALE MICHAEL ALLEN C 5010 MACDONALD AVE APT 21 MONTREAL 29 QUE	B SC 1 HU 4 4824
HALE VERA ANNE 4080 HIGHLAND AVE MONTREAL QUE	B SC 3 WE 2 5983
HALEY PETER MILAN 4940 COTE DES NEIGES RD APT 6 MONTREAL QUE	B ARCH 3 RE 8 4481
HALICKMAN EVELYN MARILYN 41 LAVIOLETTE AVE MONTREAL 8 QUE	B A 2 CR 7 1949
HALL ALICE LOUISE 1389 REDPATH CRES MTL 292 FRANK ST OTTAWA ONT	B N 2 VI 4 5426

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
HALL AUDREY EVELYN 2135 ST MARK ST APT 3 23 MURRAY ST NEW LISKEARD ONT		GRAD DIP 1
HALL CONRAD ST GEORGE 14 ALUSBANY AVE APT 612 2 MARGARET HALL LANE MONTEGO BAY JAMAICA W I		B SC 3
HALL DONALD ERNEST 857 54TH AVE LACHINE QUE	2 TCHRS ME 7 0544	1
HALL GARY JOHN ELVIN 4400 MARCIL AVE MONTREAL QUE	2 TCHRS HU 4 8247	2
HALL GORDON BATHURST 1085 GRAHAM BLVD MTL 11 HOPEFIELD AVE KINGSTON 6 JAMAICA W I	B ENG RE 1 6709	1
HALL INGRID MARIANNE 46 SUMMIT CIRCLE WESTMOUNT QUE	B A WE 5 2631	1
HALL JOHN STUART 985 13TH AVE APT 3 LACHINE QUE	B ENG AM ME 7 9826	4
HALL KAREN AGNETE 46 SUMMIT CIRCLE MONTREAL 6 QUE	B SC WE 5 2631	4
HALL MARY MARGARET 5655 COTE ST ANTOINE RD MONTREAL QUE	M L S HU 1 3263	1
HALL SALLY STEWART HALL 32 THRUSH RD STRATHMORE QUE	2 TCHRS	1
HALLAM KATHERINE LYNNE 1535 ST CLARE RD TOWN OF MT ROYAL QUE	B A RE 3 8064	2
HALMAY ANDREW GEORGE 464 WOOD AVE WESTMOUNT QUE	B ENG CIV WE 7 2629	4
HALPERIN MITCHELL L 4945 VICTORIA AVE MONTREAL QUE	MD CM HU 4 1900	3
HALPERN DAVID 74 MCNIDER AVE OUTREMONT QUE	B SC CR 9 6788	2
HALPERN GERALD 3105 BEDFORD RD APT 9 MONTREAL QUE	PARTIAL RE 3 7059	
HALPERN LUCY JANE ROYAL VICTORIA COLLEGE 116 WASHINGTON PL NEW YORK 14 N Y USA	B A VI 2 0829	1
HALPERT LESLIE SYDNEY 5215 BESSBOROUGH AVE MONTREAL 29 QUE	B COM HU 4 8548	4
HALPIN TERESA 5262 GRENIER AVE MONTREAL QUE	B A HU 8 2464	1
HALVORSON HARVEST BOX 42 MACDONALD COLLEGE 1167 MANITOBA AVE WINNIPEG 4 MAN	PH D GL 3 5335	4
HAM TREVOR J 456 PINE AVE APT 4 MTL BOX 402 NAPANEE ONT	MD CM VI 9 9716	2
HAMAWI GEORGE NICOLA 3515 UNIVERSITY ST APT 2 P O BOX 569 ADDIS ABABA ETHIOPIA	B C L AV 8 1966	1
HAMBURG HAROLD DAVID 640 WISEMAN AVE MTL 15 PADDOCK ST SAINT JOHN N B	B A RE 9 2793	2
HAMEL LAURENT 526 SHERBROOKE E MONTREAL QUE	B ENG CIV AV 8 3008	4
HAMID M A K 2047 VICTORIA ST APT 2 MONTREAL QUE	M ENG VI 9 2560	1
HAMILTON BARBARA JOAN STE ANNES HOSPITAL STE ANNE DE BELLEVUE QUE	B A CL 3 5500	3
HAMILTON CLAIRE LAWLESS 175 47TH AVE LACHINE QUE	B SC ME 7 7313	2
HAMILTON DAVID CHARLES 481 PRINCE ARTHUR W MTL 7 NAMAO DR MIDDLETON PARK TRENTON ONT	B ENG EL AV 8 7773	3
HAMILTON HERBERT A N 3433 HUTCHISON ST MTL 30 ARNOLD RD KINGSTON JAMAICA W I	B A VI 5 4027	4
HAMILTON PAUL MARSHALL 521 PRINCE ARTHUR ST W APT 17 MONTREAL QUE	PH D VI 9 0170	2
HAMILTON WILLIAM GARRISON 2515 MAPLEWOOD AVE APT 5 MONTREAL 26 QUE	B ENG RE 7 4427	1
HAMMERMAN STEPHEN L 15 TWIN CIRCLE DR WESTPORT CONN USA	B SC	1
HAMMOCK JOHN DAVID 5380 O BRYAN AVE MONTREAL 29 QUE	B SC HU 9 2159	2
HAMMOND GRAEME 3553 DUROCHER ST APT 406 36 CRANE RD SCARSDALE NEW YORK USA	MD CM AV 8 2626	3
HAMMOND SUZANNE 3455 STANLEY APT 301 MTL 333 N STEELE RD W HARTFORD 17 CONN U S A	M SC APP VI 5 4384	2
HAMPER ADOLPHE 2250 SOUVENIR ST MONTREAL 25 QUE	M A	2
HAND HELEN MARY LAIRD HALL HEATHERLEIGH PEMBROKE BERMUDA	B SC H EC	1
HANDELMAN DON 2155 PRUD HOMME APT 35 STE AGATHE CHALET STE AGATHE DES MONTS QUE	PARTIAL HU 6 5571	
HANDELMAN SAUL 4972 BORDEN AVE MONTREAL QUE	B C L HU 8 9278	3
HANDELSMAN ARTHUR 4835 BORDEN AVE MONTREAL 29 QUE	PARTIAL HU 8 8418	
HANKIN NANCY CAROLYN 5657 QUEEN MARY RD HAMPSTEAD QUE	B ARCH HU 4 4712	2
HANLON PETER FRANCIS M 360 GROSVENOR AVE WESTMOUNT QUE	B L S HU 8 6450	1
HANNA HOWARD RASHEED DOUGLAS HALL 1 HOPEFIELD AVE KINGSTON 10 JAMAICA W I	B A	1
HANNA MARK ANDREW MONTFIELD APTS APT 201 200 2ND AVE GRAND MERE QUE	B A VI 4 8306	1
HANNA NEIL IRA 265 FLORIAN ST ROSEMERE QUE	D D S NA 5 2047	1

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HANNA SUSAN FRANCES LAIRD HALL 454 6TH AVE GRAND MERE QUE	B ED 2
HANSEN CARL ANTHONY 3621 LORNE CRES MTL WESTHAMPTON BEACH NEW YORK USA	MD CM 4 VI 4 6086
HANSEN HAROLD CHARLES J 615 47TH AVE LACHINE QUE	B ED PED 3 ME 7 1826
HANSON CAROL KING MCLENNAN HALL P O BOX 276 WATERLOO QUE	B SC P OT 3 VI 2 0044
HANSULD JOHN ALEXANDER 6001 COTE ST LUC RD APT 404 MTL 204 MAIN ST GALT ONT	PH D 5 HU 1 2140
HARARI CLAUDE 5005 STE CATHERINE RD MONTREAL QUE	B A 2 RE 1 0209
HARASIMOWICZ PAUL PETER 31 MAGUIRE ST MTL 293 ELM ST GARDNER MASS USA	D D S 4 CR 9 0907
HARBERT MARY ELIZABETH 671 GROSVENOR AVE WESTMOUNT QUE	B SC 1 HU 4 0223
HARBOUR LLOYD CLARK 3563 UNIVERSITY ST APT 3 1229 BELAIR AVE AUTON VALE QUE	B COM 1
HARDEN CATHERINE ANNE LAIRD HALL 4053 OXFORD AVE MONTREAL 28 QUE	2 TCHRS 2
HARDIE ELIZABETH MARY C 595 BLOOMFIELD AVE APT 15 MONTREAL 8 QUE	3 TCHRS 1 CR 4 4887
HARDING ALWIN W G 3466 SHUTER ST APT 108 ORANGE HILL ST JAMES BARBADOS W I	MD CM 1 VI 4 3866
HARDING GARETH CHARES H 6 SWISS VILLAGE ST JOHNS QUE	B SC 1
HARDY JOHN CHRISTOPHER 2075 ATWATER AVE APT 9 MONTREAL QUE	B SC 4 WE 2 8609
HARDY LAURA RUTH 1374 CARDINAL ST ST LAURENT QUE	B SC 3 RI 4 2145
HARDY PETER THOMAS 4505 MELROSE AVE MONTREAL 28 QUE	B ENG 2 HU 8 5265
HAREWOOD HILARY ETHEL LAIRD HALL 40 MON REPOS ST SAN FERNANDO TRINIDAD W I	B SC H EC 2
HARGREAVES CLAUDE W J 1581 SAUVE E APT 1 MONTREAL QUE	B A 2 DU 9 1806
HARGREAVES DAVID 3644 PEEL ST MTL COLLEGE RD GOXHILL LINCS ENGLAND	B A 1 VI 4 4023
HARKER WILLIAM CLINTON 316 CLEMENT AVE DORVAL QUE	B ENG EL 4 ME 1 8648
HARKNESS SHEILA NOREEN 4610 ST JOSEPH BLVD LACHINE QUE	2 TCHRS 1 ME 7 6015
HARLAND ROSS CAMERON BRITTAIN HALL BEDFORD QUE	B SC AGR 4

NAME ADDRESS	COURSE & YEAR TEL. NO.
HARLE MARGARET JANE 3480 ONTARIO AVE MTL 1434 ROYAL ST REGINA SASK	B SC P OT 3 VI 2 0044
HARMON NEIL LESLIE DOUGLAS HALL 30 HENDRIE AVE RIVERSIDE CONN USA	B SC 2 VI 4 0977
HARNEY PATRICIA MARIE BOX 191 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 2 GL 3 5581
HARNISH BENNIE D 3515 DUROCHER ST APT 51 BOX 925 WHEATLAND WYOMING USA	D D S 2 AV 8 3016
HARPER CAROLYN 4919 LACOMBE AVE MONTREAL QUE	B A 2 RE 8 3827
HARPER DONALD CALVIN 3505 LORNE AVE APT 7 MTL 7323 89TH ST EDMONTON ALTA	B SC 2
HARPER MARY HELEN 364 METCALFE AVE WESTMOUNT QUE	MED DIP 3 WE 3 5268
HARPER THOMAS MICHAEL 364 METCALFE AVE WESTMOUNT 6 QUE	B ENG MCH 5 WE 3 5268
HARRICHARAN HAYMCHAL BRITTAIN HALL NOVAR MAHAICONY E C DEMERARA BR GUIANA	B SC AGR 1 GL 3 1828
HARRIES JOHN DAVID 71 BALLANTYNE AVE N MONTREAL WEST QUE	MD CM 1 HU 6 6998
HARRINGTON ALEXANDER T 2285 ST MATHIEW APT 16 499 CANTERBURY RD VERMONT VICTORIA UUSTRALIA	B ENG MCH 5 WE 3 7058
HARRINGTON JOE EDWARD 3506 UNIVERSITY ST MTL 1356 GARNET ST REGINA SASK	B ENG EL 3
HARRIS DONALD PAUL 6601 LASALLE BLVD VERDUN QUE	MED DIP 2 PO 6 8511
HARRIS GEORGE ASHTON 1743 CANORA RD TOWN OF MT ROYAL QUE	B A 4 RE 8 4327
HARRIS HEATHER JUNE 631 MURRAY HILL WESTMOUNT QUE	B SC 1 HU 4 3357
HARRIS HUGH G 3647 UNIVERSITY ST MTL 61 ORRIN AVE OTTAWA 3 ONT	B ENG CIV 4 VI 9 2806
HARRIS IAN EDSEL 631 MURRAY HILL WESTMOUNT QUE	B A 3 HU 4 3357
HARRIS JOANNE PATRICIA 6001 COTE ST LUC RD APT 304 MONTREAL 29 QUE	B A 2 HU 4 4148
HARRIS JOHN DONALD BRITTAIN HALL 6056 SOMERLED AVE MONTREAL 28 QUE	2 TCHRS 2
HARRIS MARGARET ELIZABETH 4590 GRAND BLVD MONTREAL 28 QUE	B ED 3 HU 4 4558
HARRIS MARGUERITE R 6601 LASALLE BLVD VERDUN QUE	MED DIP 1 PO 6 8511

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
HARRIS PHILIP JOHN 62 LEPAGE AVE DORVAL QUE	ME 1 8818	PH D 3
HARRIS ROBERT ANDREW 2 NORMANTANG ST VISTA BELLA SANFERNANDO TRINIDAD W I		B ENG 1
HARRISON BABARINDE AKANNI 3516 LORNE AVE APT 5 MTL 39 JONES ST EBUTE METTA NIGERIA		B ENG MEC 3
HARRISON DONNA IRENE 16 CAMBRIDGE RD BAIE D URFE QUE BISHOPTON QUE	GL 3 5079	B ED 1
HARRISON KARL MITCHELL 5371 RANDALL AVE APT 6 MONTREAL 29 QUE	HU 9 8140	M SC 1
HARRISON MARGARET GAIL STEWART HALL 367 DIEPPL AVE OTTAWA ONT		B SC H EC 2
HARROLD ALAN JOHN 128 SHERATON DR MONTREAL WEST QUE	HU 9 2059	MD CM 4
HARROW MARTIN 3875 PLAMONDON APT 11 MONTREAL QUE	RE 7 1815	M SC 2
HARSHAW SUSAN CONSTANCE 6 HUDSON AVE WESTMOUNT QUE	WE 2 9270	B A 1
HARSORA CHIMANLAL T 3579 SHUTER ST APT 6 MTL C O N T HARSORA SUNDER SAJAN WADI VAKOLA BRIDGE BOMBAY 25 INDIA		B ENG CIV 5
HART CHARLES MACKIMMIE 50 FORDEN CRES WESTMOUNT QUE	HU 1 4788	B ENG 2
HART JAMES F R 3542 SHUTER ST APT 5 MTL 43 PALMETTO AVE MONA KINGSTON 6 JAMAICA W I	VI 2 0504	B COM 1
HART JANINE LEA 271 18TH AVE ST EUSTACHE SUR LE LAC QUE		3 TCHRS 1
HART NANCY JEAN 4115 WILSON AVE MONTREAL 28 QUE	HU 4 9723	B SC 1
HARTBURN IRENE MACDONALD COLLEGE 4790 PIERRE LAUZON BLVD PIERREFONDS QUE		2 TCHRS 1
HARTMAN ABRAHAM AARON 5533 QUEEN MARY RD MONTREAL QUE		MD CM 2
HARTMAN JAAKKO AKSELI 3523 LORNE AVE MTL 2685 MAPLE ST VANCOUVER 9 B C	VI 2 0398	B ENG EL 3
HARTT STANLEY HERBERT 6300 WESTBURY AVE MONTREAL 29 QUE	RE 3 2465	M A 2
HARTWICK F DAVID A DOUGLAS HALL 216 GAY LUSSAC ST ARVIDA QUE		B ENG EL 4
HARVEY FREDERICK M 317 STRATHEARN AVE N MONTREAL WEST QUE	HU 9 2521	B ENG 2
HARVEY STUART CARL 3530 DUROCHER APT 23 MONTREAL QUE		M SC 1
HARVEY CLARK CHRISTOPHER 6001 COTE ST LUC RD APT 305 HAMPSTEAD QUE	HU 9 9876	B ENG EL 5
HARVIE CATHERINE MARY ROYAL VICTORIA COLLEGE 224 JOHN ST THORNHILL ONT	VI 2 0180	B A 3
HARVIE RONALD THOMAS 1380 SCARBORO RD TOWN OF MT ROYAL QUE	RE 8 2107	B A 2
HARVISON NORMAN WILLIAM 781 4TH AVE LACHINE QUE	ME 4 1652	B ENG EL 4
HARWOOD BARNES GEOFFREY A 1469 MACKAY ST APT 9 MTL 20 MANOR DR WEMBLEY PARK MIDDLESEX U K		B A 4
HARWOOD JONES JOHN A 20 SWALLOW AVE DORVAL QUE	ME 1 1379	B A 3
HARWOOD JONES PATRICK H 20 SWALLOW AVE DORVAL QUE	ME 1 1379	B A 2
HASAN MUHAMMAD 3561 LORNE AVE APT 11 C O MR KHURSHID AHMAD 1 NEW QUEENS RD KARACHI PAKISTAN	VI 4 5286	B ENG CIV 5
HASHIMOTO TSUTOMU 4 BURTON AVE WESTMOUNT QUE	HU 8 4042	M SC 2
HASLAM CHRISTOPHER R S 3473 UNIVERSITY ST MTL C O DOSCO WABANA MINES BELL ISLAND NFLD	VI 9 1791	M ENG 1
HASLAM DOUGLAS FRANK 6 WAVERLEY RD PTE CLAIRE QUE	OX 5 6629	B COM 2
HASLE ALBERT MAURICE HUT 21 ROW C MACDONALD COLLEGE BOX 760 COWANSVILLE QUE	GL 3 1473	2 TCHRS 2
HASLETT RICHARD STUART 3630 MOUNTAIN ST MONTREAL 25 QUE	VI 5 1076	B COM 2
HASLEY MICHAEL A 4632 OXFORD AVE MONTREAL QUE	HU 6 0575	B A 3
HASSAN SOHEIR HANIM M E C O DEPT OF HORTICULTURE MACDONALD COLLEGE 495 EL AHRAM AVE APT 10 GIZA EGYPT U A R		GRAD QUAL 1
HATCH HENRY CLIFFORD WILSON MEMORIAL HALL 2530 RIVERSIDE DR RIVERSIDE ONT		B A 2
HAUKKALA HARRY LEO ENSIO 3425 VERDUN AVE VERDUN QUE	PO 8 2105	B ENG MCH 4
HAUSMAN ISRAEL LOUIS 2515 VAN HORNE AVE APT 5 MONTREAL QUE	RE 3 9404	PARTIAL
HAUSNER ROBERT ALLAN 3258 THE BOULEVARD MONTREAL QUE	WE 3 6104	B COM 3
HAUVER ROBERT HUNTER BEAUHARNOIS QUE		B SC 4
HAVENS DOUGLAS LORIS 481 PRINCE ARTHUR ST W 287 ERIE ST S LEAMINGTON ONT	AV 8 7773	B SC 4
HAVIS ISIDORE 2790 DARLINGTON PL APT 11 MONTREAL QUE	RE 3 6280	B ENG 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HAWES MARJORIE ELIZABETH 31 PRINCE EDWARD VALOIS QUE	B ED PED 3 OX 7 0178
HAWKINS DIANE LOUISE LAIRD HALL 778 13TH AVE LACHINE QUE	2 TCHRS 2
HAWKINS JEAN BARRIE 73 STAFFORD RD BAIE D URFE QUE	2 TCHRS 1 GL 3 4391
HAWKINS KATHLEEN 5225 HUTCHISON ST MONTREAL QUE	MD CM 4 CR 7 8673
HAWTHORN JOAN MARGARET 3494 MARIETTE AVE MONTREAL QUE	B SC N 1 HU 6 4846
HAY DONALD ROBERT 3261 FOREST HILL AVE MTL 365 BEDARD BLVD LACHUTE QUE	B ENG MET 5
HAY DONALD S A 124 BEVERLEY ST KINGSTON ONT	B SC 1
HAY JOHN MORRIM 114 LODGE AVE ST JAMES WINNIPEG MAN	B SC AGR 4
HAY ROBERT EARL 3508 UNIVERSITY ST MTL 124 BEVERLEY ST KINGSTON ONT	PH D 3
HAY ROGER MACLEAN 103 ANGELL AVE BEACONSFIELD QUE	B ENG EL 4 OX 5 4573
HAYDEN SARA ADELAIDE 8 LORRAINE AVE WSTMT 2230 WELSTER AVE OTTAWA 1 ONT	L MUS 1 HU 6 9978
HAYES GERALD FREDERICK 1002 SIXTH AVE VERDUN QUE	B ENG 1 PO 6 4085
HAYES MARILYN SARA 5668 N D G AVE MONTREAL QUE	B A 2 HU 6 8706
HAYES ROSS E 975 DJNRAVEN RD TOWN OF MT ROYAL QUE	B ARCH 3
HAYS GEORGE WILLIAM 3621 DUROCHER ST MTL J 420 ARLINGTON TOWERS ARLINGTON VA USA	MD CM 1 VI 9 4667
HAYTER DAVID GEORGE 4643 SHERBROOKE ST W WESTMOUNT QUE	M A 2 WE 7 2526
HAZAN DAVID V 354 REDFERN WESTMOUNT QUE	B COM 2 WE 3 6247
HAZAN GIACOMO J 856 PLYMOUTH AVE APT 334 TOWN OF MT ROYAL QUEBEC	B ENG CIV 4 RE 7 5107
HAZLETT GWENDOLYN C 3502 ADDINGTON AVE MONTREAL 28 QUE	M L S 3 HU 4 3887
HAZZAN BENJAMIN DAVID 4545 WALKLEY AVE APT 112 MONTREAL 28 QUE	M A 2 HU 6 0696
HEAD JOHN MICHAEL 900 SHERBROOKE ST W APT 23 MTL BOX 330 MADISON CONN USA	B SC 1
HEAD RHONDA VIVIEN 690 47TH AVE LACHINE QUE	B A 1 ME 7 4879
HEALEY ALFRED LAWRENCE 8148 WISEMAN AVE MONTREAL 15 QUE	B ED 3
HEALEY HEATHER DIANE MCLENNAN HALL 13 PARKER ST HALIFAX N S	B SC P OT 2 VI 2 0044
HEALEY PATRICIA ANNE MACDONALD COLLEGE 8148 WISEMAN AVE MONTREAL 15 QUE	3 TCHRS 1
HEARD C W KENNETH 3660 LORNE CRES APT 14 MONTREAL 18 QUE	M A 2 VI 5 9487
HEARD DONALD ALAN F 3660 LORNE CRES APT 14 247 SIMCOE ST OSHAWA ONT	MUS B 3 VI 5 9487
HEARD MARTHA MARY 1309 REDPATH CRES MTL OBSERVATORY HOUSE RICHMOND HILL ONT	B L S 1 AV 8 6041
HEBB MARY ELLEN 63 NELSON ST MONTREAL WEST QUE	B A 3 HU 4 8225
HEBERT GERARD J 25 JARRY W MONTREAL 11 QUE	PH D 5 DU 7 2541
HEBERT JACQUES R ST WENCESLAS CO NICOLET QUE	B ENG CIV 5
HEBERT PIERRE 2650 NICOLET MONTREAL QUE	B C L 2 LA 3 1927
HEBERT RICHARD ALFRED 144 ST ANN S ST STE ANNE DE BELLEVUE QUE	B SC AGR 1 GL 3 2613
HECHTMAN PETER BENJAMIN 3581 SHUTER ST MTL 322 LEVINSOHN PL ENGLEWOOD N J USA	B SC 2 VI 5 1777
HEENEY STEPHEN H 326 PORTLAND AVE MONTREAL QUE	B A 3 RE 3 3076
HEES ROSLYN GEORGIA ROYAL VICTORIA COLLEGE 484 AVENUE RD TORONTO ONT	B A 2 VI 2 0571
HEESE KARL FREDERICK H 3455 MCCARTHY ST ST LAURENT QUE	B ED P ED 1 FE 4 9345
HEISLER SEYMOUR 640 OUTREMONT AVE MONTREAL 8 QUE	B SC 1 CR 6 7943
HEITNER LARRY 4995 CARLTON AVE MONTREAL 29 QUE	B ENG 1 RE 3 2130
HEITNER PHILIP 4990 BORDEN ST MONTREAL QUE	B ENG 1 HU 6 9478
HELAL JEAN ELIZABETH MARY 446 FENTON AVE TOWN OF MT ROYAL QUE	B A 1 RE 1 5337
HELAL KENNETH J 1285 REGENT RD TOWN OF MT ROYAL QUE	B A 3 RE 7 4224
HELD DEBORAH JOAN 1491 PAINTER CIRCLE ST LAURENT QUE	B A 1 RI 4 3088
HELFENBAUM MARVIN 5907 CLANRANALD AVE MONTREAL QUE	B C L 1 RE 9 1525

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HELLE STEPHEN JOSEPH QUEEN MARY VETERANS HOSP 5210 RANDALL AVE APT 4 MONTREAL 29 QUE	MED DIP 4 RE 8 9481
HELLER IRVING HENRY 3764 VENDOME MONTREAL 28 QUE	PH D 2 HU 9 3253
HELLER LARRAINE MACDONALD COLLEGE 4810 MACKENZIE ST MONTREAL QUE	3 TCHRS 1
HELLER SUZAN FAY 5427 VICTORIA AVE MONTREAL QUE	3 TCHRS 1 RE 9 4463
HELLSTROM KARL RONALD BRITTAIN HALL 8847 BERRI ST MONTREAL QUE	2 TCHRS 1
HEMING RONNE AILEEN 7505 AVE DE DIEPPE MONTREAL 16 QUE	B A 1 RE 7 9007
HEMPHILL ROBERT BURNS BRITTAIN HALL DEBEC CARLETON CO N B	B SC AGR 4
HEMSWORTH GORDON THOMAS 4710 CONNAUGHT AVE MONTREAL WEST QUE	B ENG 1 HU 6 1280
HENDELMAN WALTER J 5224 SARANAC ST MONTREAL QUE	MD CM 3 HU 1 9681
HENDERSHOT ALICE NEVILLE STEWART HALL 116 TERRENCE PARK DR ANCASTER ONT	2 TCHRS 2
HENDERSON BEVERLY ANN 270 SHERATON DR MONTREAL WEST QUE	B A 3 HU 9 5950
HENDERSON ELIZABETH C L 5587 QUEEN MARY RD HAMPSTEAD QUE	B A 1 HU 4 6703
HENDERSON IAN ALEXANDER 4557 SHERBROOKE ST W APT 49 MONTREAL QUE	B SC 3 WE 5 6921
HENDERSON IAN DUNCAN H DOUGLAS HALL 27 KIRKLEY CLIFF LOWESTOFT SUFFOLK ENGLAND	B A 2 VI 4 0977
HENDERSON JAMES IAN PRESBYTERIAN RESIDENCE MCTAVISH ST MTL 100 KENNEDY ST AURORA ONT	B SC 1
HENDERSON JANE LOUISE MACDONALD COLLEGE NEW RICHMOND QUE	2 TCHRS 1
HENDERSON JOHN DOUGLAS 690 40TH AVE LACHINE QUE	B SC 1 ME 7 1585
HENDERSON JOHN WILLIAM R. 4925 PATRICIA AVE MONTREAL 29 QUE	B A 3 HU 4 5804
HENDERSON JOSEPH 5648 HUDSON AVE COTE ST LUC QUE	B ENG 1 HU 1 6825
HENDERSON PAMELA LYNNE 1009 SHERBROOKE ST MTL 59 LOVER S LANE ANCASTER ONT	B SC 2
HENDLISZ MICHELE BETTY 6612 A WILDERTON AVE MONTREAL QUE	B A 1 RE 3 3586

NAME ADDRESS	COURSE & YEAR TEL. NO.
HENDRY HELEN ISABEL 53 NELSON ST MTL WEST P O BOX 407 48 GRAY ST WINDSOR N S	B L S 1 HU 6 2018
HENN FRANK JOSEPH 6 BENTLEY ST JOHN N B	B ENG MCH 4
HENNEBERRY GERALD OWEN P O BOX 71 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 4 GL 3 5878
HENNEBURY THOMAS 1 MARTIN AVE SARAGUAY QUE	B SC 1
HENNIGER JAMES PERRY 1520 PINE AVE W APT 1 210 BROCKVILLE ST SMITHS FALLS ONT	M SC 1 WE 3 4190
HENRIKSEN NORMAN R 3851 UNIVERSITY ST MTL 13 PARK ST ST JOHN N B	B SC 3
HENRIQUES PATRICIA AMEN ROYAL VICTORIA COLLEGE 6 RIPON RD KINGSTON 5 JAMAICA W I	B SC 1 VI 2 0571
HENRY ANNE R STEWART 3057 CEDAR AVE MONTREAL 25 QUE	PH D 3 WE 5 1295
HENRY JAMES HAROLD 7291 9TH AVE VILLE ST MICHEL QUE	B ENG CH 4 RA 2 5525
HENSON JOAN CATHERINE ROYAL VICTORIA COLLEGE 17 CHESTNUT PARK RD TORONTO 5 ONT	B A 3
HENWOOD JAMES HARVEY 4303 MONTROSE AVE WESTMOUNT QUE	B COM 1 WE 7 1049
HERBERT STEPHEN W 4687 CARLTON AVE MONTREAL 26 QUE	B SC 3 RE 7 7869
HERBST LYDIA FRANZISKA C S C 5 WEREDALE PK MTL 16 ST JACQUES STE ROSE DE LAVAL QUE	M S W 1 WE 7 9581
HERMAN EMIL EDWARD 5027 SHERBROOKE ST W MONTREAL QUE	PH D 2 HU 9 5017
HERMAN ERIC I 3468 DRUMMOND ST APT 501 MONTREAL QUE	B COM 3 VI 9 9753
HERMAN MATILDA ROSE 5060 PRINCE OF WALES AVE MONTREAL 29 QUE	B A 2 HU 4 4317
HERMAN REGINALD GRANT 4514 MADISON AVE MONTREAL 28 QUE	B SC 2 HU 6 8907
HERMAN STEPHEN 664 WESTLUKE AVE COTE ST LUC QUE	B SC 1 HU 9 2786
HERMAN WENDY RUTH ROYAL VICTORIA COLLEGE 34 HIGH POINT RD DON MILLS ONT	B A 3 VI 2 0180
HERMANN GWENDOLYN ALICE 34 ENTERPRISE ST MONCTON N B	B N 2
HERMITAGE LINDA MAY 4905 COTE ST LUC APT 408 MONTREAL QUE	B SC 4 HU 8 5220
HEROUX LAURIER PAUL ST BONIFACE SHAWINIGAN QUE	B ENG MCH 5

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HERRADA NICHOLAS LEOPOLD 63 PROSPECT AVE WSTMT QTA MARGARITA NO 15 AV MONTEVIDEO LOS CAOBOS CARACAS VENEZUELA	B ENG 1 WE 3 6110
HERRERA SOTO ROBERTO 3514 HUTCHISON ST MTL CAR 18 59 21 BOGOTA COLOMBIA S A	M A 1 VI 5 0595
HERRON ALEXANDER WILLIAM 3581 MARLOWE AVE MONTREAL 28 QUE	B A 4 HU 8 8545
HERRON BEVERLEY DEAN 5260 CORONATION AVE MONTREAL 29 QUE	B SC P OT 2 HU 6 6558
HERSCHMAN PETER LEON 4600 KENT AVE MONTREAL QUE	B A 2 RE 8 7331
HERSCOVICS ANNETTE A 2211 MAPLEWOOD AVE APT 9 MONTREAL QUE	PH D 2 RE 3 5176
HERSCOVITCH GAIL 4874 PARK AVE MONTREAL QUE	2 TCHRS 1 CR 7 2443
HERSCOVITCH HOWARD NORMAN 4837 BORDEN AVE MONTREAL QUE	B SC 1 HU 9 1878
HERSH WILLIAM LEWIS 3530 NORTHCLIFFE AVE MONTREAL QUE	B SC 2 HU 1 5079
HERSHENFIELD EARL M 4710 VEZINA AVE MONTREAL 26 QUE	B SC 3 RE 7 7415
HERSHEY SUSAN JOAN ROYAL VICTORIA COLLEGE 1098 WESTERN AVE ALBANY N Y USA	B SC 3 VI 2 0477
HERTEL MICHEL BERNARD 1063 ANDERSON ST MONTREAL QUE	B ENG 1 UN 8 2150
HERTZ MARCIA 5526 ROBINSON AVE COTE ST LUC QUE	MUS B 1 HU 6 5491
HERZBERG MARY OBELYN 1080 DUMFRIES RD MONTREAL 16 QUE	B C L 3
HERZER WILLIAM FRANCIS 266 GLENGARRY AVE TOWN OF MT ROYAL QUE	B ENG 1 RE 1 5494
HESELTINE ELIZABETH 621 PRINCE ARTHUR ST W C O MRS N HESELTINE 28 CHEMIN ADOLPHE PASTEU PETIT SACONNEX GENEVE SWITZERLAND	GRAD QUAL 1 VI 4 7590
HESELTINE GILBERT F D 3880 CAVENDISH BLVD APT 34 MONTREAL QUE	MED DIP 2 HU 9 4481
HESKETH ELIZABETH 4917 VICTORIA AVE MONTREAL QUE	B A 2 HU 8 1118
HESS MATTHEW LLOYD 963 CALEDONIA RD TOWN OF MT ROYAL QUE	B ENG 2 RE 7 6628
HETZECK ALEXANDER THOMAS 1280 PINE AVE W MTL 2699 DORIS DETROIT 38 MICH USA	MD CM 2 VI 2 9451
HEWARD BARBARA JANE 559 LANSDOWNE AVE MONTREAL QUE	B A 1 HU 6 9522
HEWETT ANNE CLEVERLY ROYAL VICTORIA COLLEGE 500 AVENUE RD TORONTO ONT	B ED PED 4 VI 2 0526
HEWITT KENNETH RUDOLPH 2670 GRANBY AVE MONTREAL 5 QUE	B COM 1 CL 4 3122
HEWLETT STEWART ARTHUR 5822A PLANTAGENET PL MONTREAL 26 QUE	B D 3 RE 7 9181
HEWSON JOHN RANDALL 4570 MAYFAIR AVE MONTREAL QUE	B SC 3 HU 6 9835
HIBBARD ERIC DALE 4300 BOUCHETTE ST APT 37 MONTREAL QUE	B C L 1 RE 9 6988
HIBBERT JEAN E STEWART HALL ANCHOVY P O JAMAICA W I	B SC AGR 3
HICKEY DAVID RONALD MAVOR 760 ABERDARE RD TOWN OF MT ROYAL QUE	B SC 2 RE 3 6560
HICKEY ERIC CAMPBELL 4014 MARCIL AVE MONTREAL 28 QUE	D D S 4 HU 9 7409
HICKIE GUY HEWSON 2179 ADDINGTON AVE APT 1 MONTREAL QUE	B SC 4
HICKS ARTHUR MICHAEL BOX 86 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 2 GL 3 5335
HICKS RUBY LAUREEN 647 VICTORIA AVE WESTMOUNT QUE	B A 3 HU 8 7938
HICKSON MARGARET L 2345 BEACONSFIELD AVE MONTREAL QUE	B A 4 HU 8 8948
HIGGINS BERTHA G 2039 MCGILL COLLEGE AVE APT 39 MTL R R 2 MIDDLE MUSQUODOBOIL HALIFAX CO N S	B L S 1
HIGGINS LEONARD MICHAEL 3621 LORNE CRES MTL 67 SEWELL ST ST JOHN N B	MD CM 4 VI 4 6086
HIGGINS PATRICK JAY 153 BEVERLEY AVE MONTREAL 16 QUE	B SC 1 RE 3 2354
HIGGINS SUSAN MARGUERITE ROYAL VICTORIA COLLEGE R R 2 WESTFIELD KINGS CO N B	B SC 1 VI 2 0597
HIGGS STEPHEN A 538 CHESTER AVE TOWN OF MT ROYAL QUE	B SC 2 RE 8 4397
HILBORN JOHN CHENNELL MACDONALD COLLEGE 564 BIRCH AVE ST LAMBERT QUE	B SC AGR 1
HILDER WARREN SPENCE 2057 MANSFIELD ST APT 17 MONTREAL QUE	B SC 2 VI 5 8432
HILL ALAN STANLEY DOUGLAS HALL 352 8TH ST SHAWINIGAN QUE	B ENG EL 4 VI 4 0977
HILL ARNOLD JAMES 4125 BLUERIDGE CRES APT 45 MTL YARMOUTH N S	B SC 3
HILL DONNA NANCY 7390 OUIMET ST MONTREAL 19 QUE	B A 4 PO 8 5119
HILL ELAINE BRENDA 2275 VALADE ST ST LAURENT QUE	PARTIAL RI 4 0812

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HILL GERALD NORTHCOTE 12065 RANGER ST MONTREAL 9 QUE	B A 1 FE 4 8894
HILL HAZEL ANDREA 87 STIRLING AVE MONTREAL QUE	B SC 3 DO 5 0779
HILL LYMAN RICHARD 3508 UNIVERSITY ST MTL P O BOX LENNOXVILLE QUE	PARTIAL VI 4 0752
HILL MARY BULMER 526 MILTON ST APT 8 MTL 1026 QUEENSDALE AVE E HAMILTON ONT	M A 1
HILL SHEILA ELIZABETH 2135 ST MARC MTL AYR ONT	GRAD DIP 1
HILLEL JOEL SAUL 4178 MARCIL AVE MONTREAL QUE	B SC 1 HU 9 3041
HILLMAN DONALD ARTHUR 130 BROCK AVE S MONTREAL WEST QUE	PH D 3 HU 1 4973
HILTON FRANCES WENDY ROYAL VICTORIA COLLEGE 45 MULGROVE DR ETOBICOKE ONT	B SC N 1 VI 9 0993
HILTON SANDRA ELIZABETH ROYAL VICTORIA COLLEGE 24 BELMONT AVE OTTAWA ONT	B ED PED 3 VI 2 0847
HILTON JAMES VALERIE E 753 LANSDOWNE AVE WESTMOUNT QUE	B A 4 HU 6 5102
HIMEL LONDON ELEANOR F 4070 KENT AVE MONTREAL QUE	B A 4 RE 8 0868
HINCK KAREN LOUISE 2055 CLOSSE ST APT 6 MONTREAL 25 QUE	GRAD DIP 1 WE 2 7783
HINDS HENRY WALTON 39 WINDSOR AVE WESTMOUNT QUE	B ENG 2 HU 1 3880
HINDS SHIRLEY EVELYN BOX 182 A 2 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC H EC 3
HIRSH HARVEY 6375 CHESTER AVE MONTREAL QUE	B SC 4 HU 1 1243
HISCOCKS DAVID CHARLES 426 SHERBROOKE ST W APT 2 MTL MACKENZIE BR GUIANA S AMERICA	B ENG 1 VI 5 2954
HITCHCOCK EUNICE ARTHUR MACDONALD COLLEGE 231 MAIN ST COWANSVILLE QUE	2 TCHRS 1
HITCHCOCK SUSAN MARJORIE MACDONALD COLLEGE 231 MAIN ST COWANSVILLE QUE	2 TCHRS 1
HLADYLOVYCH IHOR 5303 ESPLANADE AVE MONTREAL 14 QUE	B A 2 CR 2 1338
HLEDIN ALEXANDER NORBERT 90 VALOIS ST DORION QUE	B SC 1 BE 4 2680
HO CHI WAI LOUIS 2019 STANLEY ST APT 14 518 NATHAN RD KOWLOON HONG KONG	B ENG CIV 5 VI 5 4649
HO KA WO 3610 DUROCHER ST APT 15A 64 PORTLAND ST KOWLOON HONG KONG	B SC 3 VI 5 4479
HO KAM SHING 4074 CLARK ST MTL 285 QUEEN S RD C HONG KONG	B ENG PHY 3 AV 8 2589
HO KUM HUNG 3538 HUTCHISON ST APT 19 MONTREAL QUE	M ENG 2 VI 9 0611
HO SHIU LEUNG 2010 BISHOP ST MTL 65 SING WOO RD GRD FLR HAPPY VALLEY HONG KONG	B ENG MCH 3 VI 9 0383
HOBLEY JOHN NEALE MACDONALD COLLEGE 1009 GORDON AVE VERDUN QUE	H S D DIP 1
HOCH YVETTE 8531 CHAMPAGNEUR AVE MONTREAL QUE	B SC 3 CR 6 0896
HOCKMAN ELISE JANE 4041 OXFORD AVE MONTREAL QUE	B A 2 HU 6 5660
HOCQUARD MARY ELIZABETH MACDONALD COLLEGE PASPEBIAC WEST QUE	3 TCHRS 1
HODDER BETH MARY 11830 NORWOOD AVE MONTREAL 12 QUE	GRAD QUAL 1 DU 8 6435
HODGE MARION RUTH MACDONALD COLLEGE COOKSHIRE QUE	2 TCHRS 1
HODGES DAVID MALCOLM 5634 QUEEN MARY RD HAMPSTEAD QUE	B ENG 1 HU 6 8060
HODGINS LARRY EDWIN 2045 GRAND BLVD APT 101 2195 KING ST E KITCHENER ONT	PH D 3
HODGSON GEORGINA E 24 WAVERLEY RD PTE CLAIRE QUE	B A 3 OX 5 2866
HODGSON HARVEY HAMILTON 24 WAVERLY RD PTE CLAIRE QUE	B COM 1 OX 5 2866
HODGSON MONA BEATRICE MACDONALD COLLEGE STE MARTHE VAUDREUIL CO QUE	2 TCHRS 2
HOEN JONATHAN STOCKING DOUGLAS HALL 181 BRIARWOOD X CEDARHURST LI N Y USA	B SC 1
HOFFMAN DENTON ERNEST MACDONALD COLLEGE BOX 370 EGANVILLE ONT	B SC AGR 2
HOFFMANN ANDREW YGAL 3260 RIDGEWOOD AVE APT 15 MONTREAL 26 QUE	M A 1 RE 9 8468
HOFMANN HANS J DEPT OF GEOLOGICAL SCIE 2672 ST ZOTIQUE E MONTREAL 36 QUE	PH D 3
HOISAK PETER 8637 OUTREMONT AVE MONTREAL QUE	B ENG CIV 5 CR 2 9769
HOLCOMB GERTRUDE R P 5370 MACDONALD AVE APT 206 MONTREAL QUE	B L S 1 HU 4 5821
HOLCOMB ROBERT TELFORD 5370 MACDONALD AVE MONTREAL QUE	B ENG MET 5 HU 4 5821
HOLDER DAPHNE JEAN 3415 ONTARIO AVE MTL 27 CHARTER ST GILLINGHAM KENT ENGLAND	PH D 3 VI 5 2596

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HOLLAND JANET M 1409 ST CLARE RD MTL TOWN OF MT ROYAL ST SAUVEUR DES MONTS QUE	B A 1 RE 8 7188
HOLLANDER EVELYN SARAH R 4986 LACOMBE AVE MONTREAL QUE	B A 2 RE 8 3534
HOLLANDER RUTH BALLENTINE 258 SENNEVILLE RD SENNEVILLE QUE	PARTIAL GL 3 2055
HOLLIS ANTHONY WOLCOTT L 3473 UNIVERSITY ST MTL KENT RD DEVONSHIRE BERMUDA	B A 4 VI 9 1791
HOLLIS PAMELA JOAN STEWART HALL C O TEXACO TRINIDAD INC PTE A PIERRE TRINIDAD W I	B SC H EC 2
HOLLUM ARNE CHRISTIAN 109 HAWTHORNE DR BAIE DURFE QUE	B SC 1 GL 3 4512
HOLMES THOMAS V 3609 UNIVERSITY ST MONTREAL 2 QUE	D D S 2 AV 8 6307
HOLMES WILLIAM EDWARD 627 MILTON ST APT 4 MTL 2330 DOWNING ST DENVER COLO USA	D D S 4 VI 5 4325
HOLNESS DONALD EVERSON BRITTAIN HALL CHRISTIANA JAMAICA W I	B SC AGR 4 GL 3 1828
HOLNESS JOY ELIZABETH ROYAL VICTORIA COLLEGE DARLISTON P O JAMAICA W I	B SC 2 VI 9 0030
HOLT BERTHA WINNIFRED G 3700 MOUNTAIN ST APT 1 C O MR MRS E A WOOD 142 PRINCESS ST ST JOHN N B	GRAD QUAL 1 VI 4 3273
HOLT GERALD MICHAEL 1867 EGAN AVE MONTREAL 20 QUE	B SC 2 PO 6 4240
HOLT PATRICIA ANN 555 SHERBROOKE ST W MTL 1468 KING ST E HAMILTON ONT	MD CM 2 VI 2 0829
HOLT RONALD WILLIAM 19 FENWICK AVE MONTREAL WEST QUE	B ENG 1 HU 1 5957
HOLTZMAN GLADYS JOY MACDONALD COLLEGE 4698 VAN HORNE AVE MONTREAL QUE	3 TCHRS 1
HONTZEAS SOTIRIOS 2325 ST LUC APT 24 MONTREAL QUE	PH D 3 WE 4 1254
HOOKER MARY C STEWART HALL ORMSTOWN STN QUE	B SC H EC 3 GL 3 9095
HOOPER SHIRLY BRAHNA 4039 TUPPER ST MTL 560 PARADISE ST VICTORIA B C	GRAD DIP 1 WE 5 9641
HOOSEN SALIM SUMMERLEA GOLF CLUB LACHINE QUE 55 BLUE POOL RD HAPPY VALLEY HONG KONG	B SC 3
HOPKINS EDWARD ALAN 3563 UNIVERSITY APT 31 2318 ORLANDO AVE OTTAWA ONT	B ARCH 3
HOPKINS FLORENCE M 5412 MOUNTAIN SIGHTS MTL COWANSVILLE QUE	B SC 1 HU 9 3744
HOPKINS SHERRILL ANNE 174 DIEPPE AVE PTE CLAIRE QUE	2 TCHRS 1 OX 7 0887
HOPSON DANA LEIGH 5230 HAMPTON AVE MONTREAL QUE	B A 4 HU 1 9289
HOPTION GORDON 3531 JEANNE MANCE ST RM 11 MTL 118 UMBILO RD DURBAN NATAL S AFRICA	B ENG 2
HORECK RONALD N 5419 DECARIE BLVD MONTREAL QUE	B A 1
HORN CARL WILLOCH LUDVIG 1525 ELIZABETH ST ST LAURENT 9 QUE	B ENG 2 RI 4 6208
HORN DAVID DINSMORE 1429 STANLEY ST MTL 17 MAIN ST FARMINGTON MAINE USA	B SC 1 VI 4 8030
HORNBY ALLON ERIC 1235 CLOSSE ST MONTREAL QUE	GRAD QUAL 1 WE 2 1565
HORNE DONALD STANLEY M 220 ELM AVE APT 2 WESTMOUNT 6 QUE	B SC 4 WE 3 6832
HORNER JAMES DAVIS MACDONALD COLLEGE QUYON QUE	AGR DIP 1
HOROVITCH ARTHUR 5280 ESPLANADE MONTREAL QUE	B SC 2 CR 1 5069
HOROVITCH GERALD W 3280 LINTON AVE APT 7 MONTREAL QUE	B ARCH 6 RE 3 8090
HOROVITCH ROSALYN TAMMY 4945 BOURRET APT 10 MONTREAL QUE	3 TCHRS 1 RE 3 0292
HOROVITZ JOEL HERBERT 3483 PEEL ST MTL 219 SECOND ST W CORNWALL ONT	B A 2 VI 2 0882
HOROVITZ WILLIAM BELA 3895 BROADWAY APT 12 LACHINE QUE	PARTIAL
HOROWITZ ISADORE 641 SMART AVE MONTREAL 29 QUE	MD CM 3 HU 4 5541
HOROWITZ YIGAL SHALOM 4687 LACOMBE AVE MONTREAL QUE	B SC 4 RE 7 0600
HORSHAM VIOLA LAIRD HALL 29 GREEN ST ARIMA TRINIDAD W I	B SC H EC 1
HORTON GEORGE 645 PRINCE ARTHUR APT 13 MONTREAL QUE	B A 3
HORWOOD ROBERT TEMPLE 3592 UNIVERSITY ST MTL 10 BURDWAN RD ALIPORE CALCUTTA 27 INDIA	B SC 2 VI 2 0997
HOTTON CARL GLEN 3610 MCTAVISH ST APT 24 MONTREAL 2 QUE	PARTIAL VI 4 6830
HOUGHLAND DAVID URBAN 423 CHESTER AVE TOWN OF MT ROYAL QUE	B ENG MCH 4 RE 7 6329
HOUGHTON DAVID EDWARD 3434 MCTAVISH MTL BOX 210 WINDSOR MILLS QUE	B ENG EL 4 VI 2 4492

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HOUGHTON JOHN COLES 3705 COTE VERTU RD MONTREAL 9 QUE	B ARCH 3 RI 7 1284
HOUGHTON MARIAN ELIZABETH 4640 WESTMORE AVE MONTREAL 28 QUE	B SC 1 HU 6 5247
HOUSE JUDITH DIANE ROYAL VICTORIA COLLEGE 19 COBB LANE CORNER BROOK NFLD	B A 1 VI 2 0597
HOUSELEY MICHAEL ANTHONY 4608 DECARIE BLVD APT 9 MONTREAL QUE	GRAD QUAL 1 HU 9 9401
HOUSTON GORDON EDWARD 965 40TH AVE LACHINE QUE	B SC 2 ME 7 7219
HOWARD DARYL WILLIAM 437 WOLSELEY AVE MONTREAL WEST QUE	B ENG 1 HU 9 0787
HOWARD INGRID ELIZABETH ROYAL VICTORIA COLLEGE HAWKESBURY ONT	B A 2 VI 2 0327
HOWARD JOHN ANTHONY 437 WOLSELEY AVE N MONTREAL WEST QUE	B ENG 2 HU 9 0787
HOWARD ROBERT MELVYN 471 DE ROUVILLE ST BOX 315 BELOEIL STN QUE	B SC 1
HOWARTH MARIE ANNE E 107 PRATT AVE APT 3 LONGUEUIL QUE	B COM 1 OR 7 8426 OR 7 8426
HOWDEN JOHN ROBERT BRITTAIN HALL 4355 ROSEDALE AVE MONTREAL 28 QUE	P E DIP 2
HOWELL JANICE HOPKINS 1340 LEPINE ST LAURENT QUE	B SC P OT 2 RI 7 4681
HOWES DENNIS JOSEPH 2585 DAVIDSON ST APT 14 433 COLONIZATION RD W FORT FRANCES ONT	B SC 3 LA 6 4661
HOWICK STEPHEN ANDREW 51 VIVIAN AVE MONTREAL 16 QUE	B A 3 RE 8 9001
HOWICK SUZANNE MARY 51 VIVIAN AVE MONTREAL 16 QUE	B SC P OT 1 RE 8 9001
HOWITT PATRICIA 300 GRAHAM BLVD APT 105 MONTREAL QUE	M A 1 RE 1 4413
HOWLAND PETER ARDEN 3466 MCTAVISH ST MTL 189 ALLWOOD DR ROCHESTER 17 N Y USA	MD CM 4 AV 8 9533
HOWLETT JAMES SMYTHE BRITTAIN HALL BRININGHAM HOUSE MELTON CONSTABLE NORFOLK U K	AGR DIP 1 GL 3 1997
HOWLETT MARILYN CECILIA 3239 APPLETON AVE MONTREAL QUE	B C L 3 RE 3 3574
HOWSON HELEN ELIZABETH 111 HIGHFIELD AVE TOWN OF MT ROYAL QUE	B A 1 RE 8 9276
HOYT GAIL S STEWART HALL P O BOX 329 MONTEGO BAY JAMAICA W I	B SC H EC 3
HRADECKY PAULA HELENA 5018 WEST BROADWAY MONTREAL QUE	B SC 3 HU 9 4133
HRUSKA MARIE JOSEFA 962 DAVAAR AVE OUTREMONT 8 QUE	2 TCHRS 1 CR 1 3282
HRYCAY ALEX STEPHEN 6673 12TH AVE MONTREAL 36 QUE	B ARCH 3 RA 2 3162
HSU JOHN DEREK WEI SHENG P O BOX 602 STN B MTL P O BOX 1930 CRANBROOK B C	MD CM 4 VI 5 3552
HSU SHOU HSIN 3504 PARK AVE APT 10 MONTREAL QUE	MED DIP 3 VI 4 5627
HTAY THAN 3615 UNIVERSITY ST MTL BURMA GEOLOGICAL DEPT 226 MAHA BANDOOLA ST RANGOON BURMA	M SC APP 2 VI 4 0888
HU ISABEL CHIN SHAI 736 ATWATER AVE MONTREAL 30 QUE	B COM 2 WE 7 5040
HUAPAYA LUIS 4839 ISABELLA AVE MTL ALLAN MEMORIAL INSTITUTE 1025 PINE AVE W MONTREAL QUE	MED DIP 3 RE 1 0836
HUBBARD ASA GEORGE 3646 LORNE CRES APT 3 4076 CREED AVE LOS ANGELES 8 CALIF USA	MD CM 2 VI 5 8022
HUBERMAN CAROL 772 MCEACHRAN AVE MONTREAL QUE	B SC 4 CR 9 2940
HUBERT CLAUDE M 3573 LORNE AVE APT 4 MTL 8013 ST DENIS ST MONTREAL QUE	M SC 1 VI 5 7083
HUBLER BENO 3765 ST KEVIN ST APT 14 MONTREAL QUE	B SC 4 RE 3 5887
HUBSCHER SHAYNA 318 BROOKFIELD AVE MONTREAL QUE	B SC 2 RE 3 2207
HUCAL ROMAN SVIATOSLAV 6460 45TH AVE MONTREAL QUE	B ENG MEC 3 CL 5 8771
HUCKINS CLAIRE 3563 UNIVERSITY ST APT 17 MONTREAL 2 QUE	PH D 2 AV 8 4624
HUDON PIERRE PAUL 125 PAGNVELO AVE OUTREMONT 8 QUE	B ENG 1
HUDSON CHARLES J 3660 LORNE CRES MTL NO 270 RTE 1 METUCHEN N J USA	MD CM 1
HUDSON NORMAN HENRY 6551 14TH AVE MONTREAL 36 QUE	B COM 1 RA 2 3014
HUESTON DEBORAH RUTH 279 MORRISON AVE MONTREAL 16 QUE	B A 2 RE 7 3075
HUGHES DONALD JOHN M DIOCESAN COLLEGE 4089 GRAND BLVD MONTREAL 28 QUE	B D 1 VI 9 3004
HUGHES DOUGLAS IRA 4110 MADISON AVE MONTREAL 28 QUE	B ENG EL 4 HU 6 4400
HUGHES FRANK EMERSON 4114 OXFORD AVE MONTREAL QUE	B SC 2 HU 8 8449
HUGHES GWYNNETH E 68 BROCK AVE N MONTREAL WEST 28 QUE	B A 3 HU 4 0653

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HUGHES JAMES MCDOWELL 4665 GROSVENOR AVE MONTREAL 26 QUE	B COM 3 HU 1 3941
HUGHES JO ANN CHRISTINE 28 LANSDOWNE GARDENS PTE CLAIRE QUE	B A 1 OX 5 4575
HUGHES JOHN GRAHAM 2150 MACKAY APT 9 MONTREAL QUE	B A 3 WE 7 8659
HUGHES MARCEL ADELARD 304 NOTRE DAME DE FATIMA PONT VIAU QUE	B COM 1 MO 9 2598
HUGILL JOHN WILLIAM 427 DUFFERIN RD HAMPSTEAD QUE	B ENG MCH 3 HU 6 2398
HUI CHEUK KO 3531 JEANNE MANCE ST APT 4 MTL 198 QUEENS RD CENTRAL GR FL HONG KONG	B ENG 2 VI 5 4458
HUI SHUN FONG ROYAL VICTORIA COLLEGE 8 CONNAUGHT RD W 1ST FL HONG KONG	B SC 2
HULL BARRY GORDON 1114 ELGIN TERR APT 301 10 OWEN BLVD TORONTO ONT	B ENG EL 4 VI 2 1680
HULL DONALD ALBERT 3534 JEANNE MANCE MTL BOX 804 WALLACE IDAHO USA	M SC 1 VI 2 2050
HULME CLAUDIA I 29 THURLOW RD HAMPSTEAD QUE	B SC 2 HU 6 6700
HULME FRANCES ELIZABETH MACDONALD COLLEGE 160 BEAUCE RD BEAUHARNOIS QUE	B ED 2
HUME EDWARD FRASER 370 PUTNEY ST LAMBERT QUE	B SC 2 OR 1 7714
HUME MARY MARGARET MACDONALD COLLEGE 370 PUTNEY AVE ST LAMBERT QUE	2 TCHRS 1
HUMENNYJ LEO 5751 COTE ST ANTOINE MONTREAL QUE	MUS ASSOC 1 HU 4 7639
HUMPHREY GAIL PATRICIA 5510 1ST AVE MONTREAL 36 QUE	2 TCHRS 1
HUMPHREYS PETER 342 SANFORD AVE ST LAMBERT QUE	B SC 2 OR 1 8615
HUNG HENRY HIN LAI 3701 PEEL ST MTL 6 LEUNG FAI TERR HONG KONG	M ENG 1
HUNTER CHARLES GRANT 146 SHERATON DR MONTREAL WEST QUE	B A 3 HU 9 2837
HUNTER HARRY DOUGLAS 3431 DRUMMOND ST MTL 1537 14TH AVE S W CALGARY ALTA	B ENG 2 VI 9 0243
HUNTER PENELOPE 146 SHERATON DR MONTREAL WEST QUE	B A 2 HU 9 2837
HUNTER TYNE ELIZABETH LAIRD HALL 136 MOORE PARK AVE WILLOWDALE ONT	B SC H EC 4 GL 3 1830
HUNTER VIOLET PATRICIA MACDONALD COLLEGE 1298 JEAN NICOLET THREE RIVERS QUE	2 TCHRS 2
HUOT JOSEPH ALBERT JEAN J 1621 ST TIMOTHEE ST MONTREAL QUE	B ENG EL 3 LA 2 3534
HURFORD GORDON JAMES 330 36TH AVE LACHINE QUE	B SC 2 ME 7 8265
HURLBURT GEORGE CHARLES 1 LANGEVIN ST FORT CHAMBLY QUE	B A 1 OL 8 1810
HURLEY DAVID RICHARD 35 48TH AVE LACHINE QUE	B SC 1 ME 7 9178
HURLEY MARTHA ELLEN ROYAL VICTORIA COLLEGE 45 WARREN ST LENNOXVILLE QUE	B SC 3 VI 9 0858
HURTUBISE ANDRE BERNARD 4595 ST IGNATIUS AVE MONTREAL QUE	B ENG EL 5 HU 6 6445
HURWITZ WILLIAM K 390 FRASER MONTREAL 9 QUE	B SC 1 RI 7 5779
HUSK ESTHER JEAN MACDONALD COLLEGE R R 1 MELBOURNE QUE	B ED 2
HUSK ISOBEL RETA MACDONALD COLLEGE R R 2 MELBOURNE QUE	B ED 2
HUSSAIN SHAFQUT CHEMISTRY DEPT 3587 UNIVERSITY ST APT 3 MONTREAL 2 QUE	PH D 1
HUSTY CHARLES JOSEPH 2022 MOUNTAIN ST APT 3 MONTREAL QUE	B SC 1 VI 5 8851
HUTCHESON JOHN ALLEN 3434 MCTAVISH ST MTL 31 THORNBURY PK AVE PLYMOUTH ENGLAND	B ENG CH 4 VI 2 4492
HUTCHINS MICHAEL CHARLES 2227 O BRIEN BLVD ST LAURENT QUE	B ENG EL 3 FE 4 9328
HUTCHINSON PETER B 3525 DUROCHER APT 89 MTL 100 SOUTHWOOD AVE SILVER SPRING MD USA	MD CM 2 VI 9 4888
HUTCHINSON PETER GEORGE A 214 STE ROSE BLVD E STE ROSE QUE	3 TCHRS 1
HUTCHISON JOHN DENNIS 2100 CLOSSE ST APT 14 710 ECHO DR OTTAWA ONT	B ENG CH 5 WE 2 8553
HUTCHISON WILLIAM B 2071 GREY AVE MONTREAL 28 QUE	B A 4 HU 4 8191
HUTCHISON WILLIAM GEORGE 4516 DECARIE BLVD APT 1L MONTREAL QUE	B ENG EL 4 HU 8 0228
HUTTO ROBERT ARNAL 351 CLARKE AVE MTL 31 FAIR OAKS ST LOUIS 24 MO USA	B A 2 WE 3 7027
HUTTON LINDA CLAIRE 4581 WILSON AVE MONTREAL 28 QUE	B SC 2 HU 4 9033
HUYGHUES DES POINTES RENE 4282 DORCHESTER ST APT 406 WESTMOUNT 6 QUE	PH D 4 WE 3 2525

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NAME ADDRESS	COURSE & YEAR TEL. NO.
HYDE CHRISTOPHER DAWES 3066 TRAFALGAR AVE MONTREAL 6 QUE	B A 2 WE 2 2785
HYDE CLARKE TANEDA D 930 44TH AVE LACHINE QUE	B SC 4 ME 7 4728
HYDE PETER BERNARD MILLER 3066 TRAFALGAR AVE MONTREAL 6 QUE	B A 4
HYDE ROBERT L 3851 UNIVERSITY ST RIVERVIEW PL THE DALLES OREGON USA	MD CM 3 VI 5 0575
HYKAWY JENNIE 2218 PAPINEAU ST JACQUES CARTIER QUE	B ED 3 OR 7 1618
HYKAWY JOHN 2218 PAPINEAU ST JACQUES CARTIER QUE	B A 4 OR 7 1618
HYMAN BEVERLEY YVONNE L 3635 LORNE CRES APT 9 LUCEA JAMAICA W I	B A 3 VI 2 0557
HYMAN CHARLES MACDONALD COLLEGE 3647 DUROCHER ST APT 7 MONTREAL QUE	2 TCHRS 1
HYMAN ROSALIND 5001 JEAN BRILLANT MONTREAL QUE	B COM 2 RE 7 3946
HYMERS BARBARA RUTH 4419 MADISON AVE MONTREAL 28 QUE	B A 1 HU 6 4127
HYNDMAN DONALD R BRITTAIN HALL R R 52 HENRYSBURG QUE	B SC AGR 1
HYNDMAN MARTHA ELIZABETH LAIRD HALL BOX 136 KEMPTVILLE ONT	B SC H EC 4
HYSLOP JOHN ROSS WILSON HALL 225 MONTROSE ST WINNIPEG 9 MAN	B A 1

I

IBN ALE MAGNUS TUNDE MOPA KABBA NORTH NIGERIA	B SC 1
IBRAHIM AYODELE 3417 HUTCHISON ST APT 7 25 DADDY ALAJA ST LAGOS NIGERIA W AFRICA	B ENG CIV 5 AV 8 3530
IBRAHIM RAGAI KAMEL 3629 OXENDEN AVE MONTREAL 18 QUE	PH D 4 VI 9 2927
IHNAT MILAN 8360 ST URBAIN ST MONTREAL 11 QUE	B SC 3 DU 1 2192
ILLASZEWICZ JACQUELINE M 311 6TH AVE ST EUSTACHE SUR LE LAC QUE	B SC 2
ILVES ANNE REET LAIRD HALL 1538 DURHAM ST SHERBROOKE QUE	B SC H EC 2
IMPERATORI EMILIO 6805 43RD AVE MONTREAL QUE	B ARCH 3 RA 8 8637
INCH BONNIE HEATHER MACDONALD COLLEGE 7994 BERRI ST MONTREAL 10 QUE	2 TCHRS 1
ING GIME 3615 CITY HALL AVE MTL 16 KING ST W COBOURG ONT	B ENG EL 4 AV 8 0571
ING JUDITH DIANE MACDONALD COLLEGE BOX 97 MORRISBURG ONT	2 TCHRS 1
INGALLS BARBARA JEAN LAIRD HALL 1688 FAYOLLE AVE VERDUN QUE	3 TCHRS 1
INGERMAN DONALD 3330 BEDFORD RD APT 30 119E 89ST BROOKLYN 36 N Y USA	D D S 4
INGLIS ROBERT CURTIS 1947 RUE ST LUC APT 3 1101 ATHOL ST REGINA SASK	B A 1
INGRAHAM GEORGE WILLIAM 545 PINE AVE W MTL 1087 ASHMOUNT AVE OAKLAND 10 CALIF USA	MD CM 4 VI 5 5841
INGRAM BRUCE RODNEY 1125 GODIN AVE VERDUN QUE	B ENG 1 PO 7 7338
INGRAM JORDAN MILES BOX 48 MACDONALD COLLEGE 881 RIDDELL AVE OTTAWA ONT	M SC 2
INHABER HERBERT 5208 ST URBAIN MONTREAL 14 QUE	B SC 3 CR 7 3394
INNES DONALD MUNRO WILSON HALL STOWFORD GOLF CLUB RD WOKING SURREY ENGLAND	B A 2
INNES FRANK CECIL 3851 UNIVERSITY MONTREAL QUE	PH D 2
INNES JUDITH IRENE MACDONALD COLLEGE 190 3RD AVE GRAND MERE QUE	2 TCHRS 1
INOUYE LORRAINE TOMIYO 6835 11TH AVE MONTREAL 36 QUE	B SC 4 RA 2 8072
INWANG EDET EBISUNG MACDONALD COLLEGE 40 AYILARA ST SURU LERE YABA LAGOS NIGERIA	B SC AGR 2
IOSIPOVICI MICHAEL 3945 PLAMONDON APT 7 MONTREAL QUE	B ENG MCH 4 RE 3 6457
IQBAL MUHAMMAD 3484 HUTCHISON ST MONTREAL QUE	M ENG 2 VI 4 9794
IREDALE DORIS SANDRA 5655 MCLYNN AVE MONTREAL QUE	2 TCHRS 2 RE 7 1300
IRVINE ROBERT LOCHEAD MACDONALD COLLEGE 944 PROVOST ST LACHINE QUE	2 TCHRS 2
IRWIN DOROTHY JUNE 3637 ST FAMILLE ST MTL 246 ALBERT ST KINGSTON ONT	MD CM 4 VI 5 3545
IRWIN DOROTHY MARGARET B 490 LAKESHORE RD BEAUREPAIRE QUE	PARTIAL OX 5 2607
IRWIN JUDITH C 3018 TRAFALGAR AVE MONTREAL QUE	B A 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
IRWIN JUDITH IRENE STEWART HALL 481 STANSTEAD CRES MONTREAL 16 QUE	P E DIP 2 GL 3 1880
IRWIN RICHARD MOFFAT 3018 TRAFALGAR AVE MONTREAL 6 QUE	B SC 3 WE 5 5918
ISAAC OSWIN D BRITTAIN HALL 227 CRAWFORD ST TORONTO 3 ONT	B SC AGR 4
ISAACSON ARNOLD HENRY 5842 HUDSON RD MONTREAL QUE	B C L 2 RE 7 6406
ISAACSON JOHN WAYNE 3556 HUTCHISON ST APT 1 336 E CHRISTINA ST FORT WILLIAM ONT	B A 4 VI 9 5876
ISAIAH BENNY BENZION 377 PRINCE ARTHUR ST MTL 30 DAFNA ST TEL AVIV ISRAEL	B ENG 1
ISAKSON ROBERT A 4215 MACKENZIE ST MONTREAL QUE	B SC 2 RE 8 8195
ISENBERG HERB HYMAN 125 MOUNT ROYAL W APT 5 MONTREAL QUE	H S D DIP 1 VI 9 3821
ISENBERG SEYMOUR 125 MT ROYAL AVE APT 5 MONTREAL 14 QUE	B SC 2 VI 9 3821
ISHMAEL ABDUL WAHAB 5609 ST URBAIN ST MONTREAL QUE	B A 3 CR 7 6090
ISLAM MUHAMMAD FIROZUL 3619 UNIVERSITY ST MTL C O MR ABID MIAH 35 C GANAK TOLI LANE DACCA 2 EAST PAKISTAN	PH D 4 AV 8 3595
ISMAIL NAEMATULLAH 3527 JEANNE MANCE ROOM 8 MTL 449 HENNESSY RD 2ND FL HONG KONG	B SC 3 VI 9 0638
ISRAEL ALLAN STEPHEN 3606 THE BOULEVARD WESTMOUNT QUE	D D S 1 WE 5 2976
ISSENMAN JUDITH M 625 COTE ST ANTOINE RD WESTMOUNT QUE	B A 2 HU 8 3264
ITCOVITCH SEYMOUR 11700 PASTEUR ST APT 206 MONTREAL 12 QUE	B SC 1 FE 4 2117
ITON JOHN WYCLIFFE 3572 HUTCHISON APT 7 MTL 3800 DUPUIS AVE APT 9 MONTREAL 26 QUE	B A 3 VI 5 0344
IWASIW EDWARD JOHN 1227 OSBORNE AVE VERDUN QUE	B A 1 PO 8 5713
IZRAELI NUNDI F 3622 DUROCHER AVE MONTREAL 2 QUE	M S W 2 VI 4 4235

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NAME ADDRESS	COURSE & YEAR TEL. NO.
JACK BARBARA A ROYAL VICTORIA COLLEGE 63 WINDERMERE RD LONDON ONT	B A 3
JACK RICHARD DOUGLAS 3096 GOYER ST APT 19 MTL 3408 WEST 34TH AVE VANCOUVER 8 B C	MD CM 3 RE 9 9718
JACK ROBERT CLIFFORD M MACDONALD COLLEGE 19 BELTON RD PTE CLAIRE QUE	2 TCHRS 1
JACKSON ANN GWENDOLYN 365 GLENGARRY AVE TOWN OF MT ROYAL QUE	B SC N 4 RE 3 4444
JACKSON CHARLES JOHN 2006 CAMBRIDGE RD TOWN OF MT ROYAL QUE	B ENG 2 RE 8 7475
JACKSON EVELYN NORAH ROYAL VICTORIA COLLEGE P O BOX 421 GANANOQUE ONT	B A 3 VI 2 0180
JACKSON IAN STUART 633 UNDERHILL PL MONTREAL 2 QUE	B A 2 VI 5 9862
JACKSON JAMES KEITH 1810 GUERTIN ST ST LAURENT QUE	B COM 1 FE 4 6225
JACKSON PAMELA JANE 4870 BEACONSFIELD AVE MONTREAL QUE	B SC P OT 2 HU 4 2021
JACKSON PETER SHAWN 3431 DRUMMOND ST MTL 59 GRIGGS RD BROOKLINE 46 MASS USA	B A 1 VI 9 0243
JACKSON ROBERT KEITH 4401 LINTON AVE APT 3 MONTREAL QUE	2 TCHRS 1 RE 8 5848
JACOB GUY BRITTAIN HALL 782 20TH ST QUEBEC QUE	B SC AGR 2
JACOB NICHOLAS 2184 OXFORD ST MONTREAL QUE	B SC 1 HU 1 0869
JACOBS BERNICE ALMEDA BOX 634 CHRISTIANSTED ST CRAIG N S VIRGIN ISLAND	M S W 1
JACOBS PHILIP 6097 MACDONALD AVE MONTREAL 29 QUE	B COM 1 RE 3 4172
JACOBSON SIMON HERZL 6286 DEACON RD MONTREAL QUE	B SC 2 RE 7 3096
JACOBSON STEPHEN 5358 BRODEUR AVE MONTREAL QUE	B ENG MCH 4 HU 6 6042
JAFFE DAVID 4950 BOURRET APT 303 MONTREAL QUE	B SC 1 RE 3 7581
JAGGASSAR THEO ANTHONY 538 MILTON ST APT 4 MTL SHERIFF ST TUNAPUNA TRINIDAD W I	B SC 3
JAGODNIK BERNARD 4727 MACKENZIE ST MONTREAL QUE	B ENG 1 RE 8 6607
JAHN EDWARD MICHAEL 2247 MAPLEWOOD AVE APT 5 MONTREAL 26 QUE	B ENG 2 RE 8 6265
JAHN GEORGE JOSEPH 2247 MAPLEWOOD AVE MONTREAL QUE	B ENG 1 RE 8 6265
JAKOBOVITS LEON ALEX 1320 BERNARD AVE W MONTREAL QUE	PH D 2 CR 1 5994
JAMES GUILFORD FELIX 3594 ST FAMILLE ST MTL 1 HEATHFIELD RD KINGSTON 5 JAMAICA W I	B SC 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
JAMES NOEL PATTISON 117 VIOLET CRES DORVAL QUE	B SC 1 ME 1 6070
JAMES RUPERT URIAH 103 FOLLIS AVE TORONTO 4 ONT	B SC AGR 2
JAMES WILLIAM RONALD BRITTAIN HALL R R 2 ALMONTE ONT	B SC AGR 2
JANACEK EDWARD JOSEPH 212 FLEURY ST W MONTREAL QUE	B ENG 1 DU 7 9139
JANCO STEVE DAN 3455 STANLEY ST MONTREAL QUE	B ENG CIV 5 VI 4 4376
JANES MICHAEL CORBETT BRITTAIN HALL MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 3
JANITENS GUNARS V 12501 COUSINEAU STN MONTREAL 9 QUE	B ARCH 3
JANKOV LUDMILA CAROLINE LAIRD HALL 23 COLLEGE RD TRURO N S	B SC AGR 4 GL 3 1830
JANSEN STANLEY ORMAN 4520 COLONIALE AVE MTL APT 10 BOX 722 YORKTON SASK	D D S 4
JANUSKEVICIUS CESOVAS K 5347 MACMAHON AVE MONTREAL 29 QUE	M ENG 1 HU 4 2052
JAQUES MARGARET LYNNE MACDONALD COLLEGE 4764 ROSLYN AVE MONTREAL QUE	3 TCHRS 1
JARAND RICHARD CHARLES 98 14TH AVE ST EUSTACHE SUR LE LAC QUE	B COM 1 WA 7 3582
JARRARD GERALD ALLAN P WILSON HALL 1381 PRITCHARD AVE WINNIPEG 4 MAN	B SC 2
JARRY JEAN MAURICE 27 RUE TASSE IBERVILLE QUE	PARTIAL FI 7 3914
JARVIS COLIN WARRICK S 420 BRIXTON AVE ST LAMBERT QUE	B ENG MCH 4 OR 1 7402
JARVIS FREYA ADRIENNE ROYAL VICTORIA COLLEGE 116 VAN HOUTEN AVE PASSAK NEW JERSEY USA	B A 2 VI 2 0634
JASPER STEPHEN FRANKLIN 804 UPPER LANSDOWNE AVE WESTMOUNT QUE	B A 1 HU 4 9653
JASSBY DANIEL LEWIS 4330 HAMPTON AVE MONTREAL 28 QUE	B SC 3 HU 1 4713
JASSBY KENNETH MARK 4330 HAMPTON AVE MONTREAL 28 QUE	B ENG 1 HU 1 4713
JASTRZEBSKI ZYGMUNT M 2375 TRENTON AVE MONTREAL QUE	B SC 4 RE 1 1635
JAVOSKY RUDOLPH VALENTINE 3647 UNIVERSITY ST MTL R R 4 ST CATHARINES ONT	B ARCH 5 VI 9 2806
JAY SUSAN M 3475 UNIVERSITY ST MONTREAL 2 QUE	B A 4 VI 4 8322
JEDEIKIN LEON 3803 THE BOULEVARD WESTMOUNT QUE	B C L 4 HU 8 7272
JEFFERS HUGH FREDERICK M P O BOX 178 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 2 GL 3 5666
JEGARD SUZANNE 3491 STANLEY ST APT 02 10271 99TH ST EDMONTON ALTA	PARTIAL VI 4 2265
JEGIER WANDA J 719 GRAHAM BLVD TOWN OF MT ROYAL QUE	PH D 1 RE 3 9135
JELLINEK TOMMY JOHN 3609 UNIVERSITY ST MONTREAL QUE	M A 2 AV 8 6307
JENKINS MARJORY KATHLEEN ROYAL VICTORIA COLLEGE BOX 172 MARMORA ONT	B A 4 VI 2 0477
JENNE ROSS EDWARD 472 BOURKE AVE APT 3E DORVAL QUE	D D S 2 ME 1 4105
JENNER ALLAN ERIC 39 EASTBOURNE BEACONSFIELD QUE	B ENG 1 OX 5 9223
JENNEY HUGH EDWARD 548 SHERBROOKE ST W MTL 372 LAKESHORE HWY W OAKVILLE ONT	B A 3 VI 4 0551
JENNINGS IVY CONSTANCE 2030 BISHOP ST MONTREAL QUE	H S D DIP 1
JEPHCOTT JAMES ROBERT P O BOX 132 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	H S D DIP 1 GL 3 8209
JEPSEN ANDERS FREDE NABE 1978 ST GERMAIN ST LAURENT QUE	M SC APP 1 RI 7 1980
JERVIS WILLIAM HORACE 545 PINE AVE W MTL 1601 47TH ST SACRAMENTO CALIF USA	MD CM 4 VI 5 5841
JESSOP LESLIE GAIL LAIRD HALL 614 ALGONQUIN AVE MONTREAL 16 QUE	B ED 2
JESSOP THOMAS CLIFTON 419 PRINCE ARTHUR W MONTREAL QUE	B ENG MCH 3 VI 9 3364
JESSOPP SARA GARDNER ROYAL VICTORIA COLLEGE 1360 ELM TREE RD LAKE FOREST ILL USA	B A 1 VI 2 0597
JETTE WILLIAM LOUIS 1947 ST LUKE ST APT 3 163 CONCROD ST OTTAWA 1 ONT	B ENG MCH 5 WE 2 7905
JEW HONG ANTHONY 3235 RIDGEWOOD APT 308 1660 ODY ST SAN FRANCISCO CALIF USA	MD CM 3
JEWELL JOHN FELIX 3581 UNIVERSITY ST MTL 15 BENNETT ST FALCONBRIDGE ONT	B ENG 1 VI 9 1368
JIBUIKE GODWIN U 294 VILLENEUVE ST W APT 11 MONTREAL QUE	B COM 3 VI 9 2938
JINKS LIONEL KENNETH 418 PINE AVE W APT 37 3365 VALLEY DR VANCOUVER 8 B C	D D S 1 VI 5 6688

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NAME ADDRESS	COURSE & YEAR TEL. NO.
JIRAVA KAMIL MILAN 2060 SHERBROOKE ST W APT 6 MTL RIVERVIEW FARM R R 1 HUNTINGDON QUE	B COM 3 WE 7 8390
JOFFE ANDRE DANIEL 2698 SOISSONS AVE MONTREAL QUE	B A 2 RE 9 6581
JOFFE ANNE 4590 WILSON AVE MONTREAL QUE	B A 1 HU 8 8224
JOG SHRIDHAR DATTATRAYA MATHEMATIC DEPT PHYSICAL SCIENCES CENTRE MCGILL UNIVERSITY MONTREAL 2 QUE	PH D 2
JOHANSSON BRUCE RONALD 55 49TH AVE LACHINE QUE	B ENG 1 ME 7 3474
JOHANSSON LAWRENCE M 55 49TH AVE LACHINE QUE	B ENG 2 ME 7 3474
JOHNS DAVID GARRETT 4814 FULTON APT 4 MONTREAL QUE	PH D 2 RE 1 1479
JOHNS ERNEST C 4408 KING EDWARD AVE MONTREAL QUE	B ENG CIV 5 HU 1 1586
JOHNS WILLIAM RAMSAY 5538 ADALBERT AVE MONTREAL 29 QUE	MED DIP 3 HU 9 5130
JOHNSON CARLA ANNE ROYAL VICTORIA COLLEGE 277 WASHINGTON ST GLOUCESTER MASS USA	B SC 4 VI 2 0526
JOHNSON DIANA DEANE 5581 QUEEN MARY RD HAMPSTEAD QUE	B A 2 HU 1 7258
JOHNSON JANET HELEN MACDONALD COLLEGE 203 COURT ST SHERBROOKE QUE	2 TCHRS 1
JOHNSON KENNETH STEWART 3550 LORNE AVE APT 7MTL GENERAL DELIVERY SOUTH PORCUPINE ONT	E ENG 2
JOHNSON MARGARET HELENA 2121 NORTHCLIFFE AVE MONTREAL QUE	B SC P OT 3 HU 8 2311
JOHNSON ROBERT H 522 MITCHELL AVE MONTREAL QUE	D D S 3 RE 8 2618
JOHNSON RODNEY HARRY DOUGLAS HALL 11306 111 A AVE EDMONTON ALTA	B SC 3
JOHNSON WILLIAM CHARLES V 8190 BOYER ST MONTREAL QUE	B COM 1 CR 9 2515
JOHNSTON AGNES TENNANT 2944 HILL PARK CIRCLE MONTREAL QUE	M S W 2 WE 5 7070
JOHNSTON ANNE ALVON E ROYAL VICTORIA COLLEGE 120 ROYAL YORK RD S TORONTO ONT	B SC 3 VI 2 0265
JOHNSTON CHRISTINE 3508 UNIVERSITY ST MONTREAL 2 QUE	B A 1 VI 4 7688
JOHNSTON DAVID THOMAS 316 MONMOUTH AVE TOWN OF MT ROYAL QUE	B SC 3 RE 7 6366
JOHNSTON HAROLD W BRITTAIN HALL WINCHESTER ONT	B SC AGR 3
JOHNSTON NEIL VAN 3622 DUROCHER ST APT 107 1664 LEE RD CLEVE HTS OHIO USA	MD CM 4
JOHNSTON NORMA ELIZABETH 3640 HUTCHISON ST APT 3 MONTREAL QUE	M L S 2 VI 9 7124
JOHNSTON PENELOPE E 1371 PINE AVE MTL 361 DUFFERIN AVE LONDON ONT	B SC 3 VI 4 0435
JOHNSTON ROBERT WESLEY 102 STRATHEARN AVE MONTREAL WEST QUE	B ENG 1 HU 6 0241
JOHNSTONE ALICE JEAN 4055 HIGHLAND AVE MONTREAL 6 QUE	PARTIAL
JOHNSTONE PETER DOUGLAS 824 51ST AVE LACHINE QUE	B ENG AM 4 ME 7 0869
JOLIN PAUL EUGENE G C 182 BRIEN AVE LAVAL DES RAPIDES QUE	D D S 1 MO 9 1375
JOLSON AVIVA 1651 NORWAY RD MONTREAL QUE	B A 3 RE 7 7360
JOMM ENN 3355 SOMERSET RD MONTREAL 9 QUE	MD CM 1 FE 4 6595
JONES BARRY HARRISON 1650 NORWAY RD TOWN OF MT ROYAL QUE	B SC 3 RE 7 9787
JONES CHARLES FREDERICK ALLANCROFT HOME ELM AVE BEACONSFIELD QUE 5 SADLER ST ORMSTOWN QUE	2 TCHRS 1
JONES CHARLES WILLIAM PRESBYTERIAN COLLEGE BEDFORD QUE	B ENG 2
JONES CLAUDIA EMMA 2557 COURSOL ST MONTREAL 3 QUE	B A 2 WE 3 6191
JONES DAVID MACDONALD BRITTAIN HALL BEDFORD QUE	B SC AGR 2 GL 3 1997
JONES ELEANOR ELIZABETH MACDONALD COLLEGE 71 PHILIPSBURG AVE BEDFORD QUE	2 TCHRS 1
JONES GRAHAM ALFRED BOX 68 MACDONALD COLLEGE 43 STRATHAVEN RD LONDON S E 12 ENGLAND	PH D 2 GL 3 5335
JONES HEATHER MARILYN MACDONALD COLLEGE 239 POWELL AVE OTTAWA ONT	B SC H EC 2
JONES HEDDYS JANE 109 LAKESHORE DR DORVAL QUE	B SC 1 ME 1 0248
JONES JAMES AUGUSTUS 3622 DUROCHER ST MONTREAL QUE	M S W 2 VI 5 6517
JONES JEFFRESS HAYNES 2075 MANSFIELD APT 3 MTL THE OLD RECTORY FARNHAM BLANDFORD DORSET ENGLAND	B SC 2 VI 5 0755
JONES JOSEPH RICHMOND DOUGLAS HALL BOX 56 OLD MILL RD SANDY HOOK CONN USA	B SC 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
JONES KENNETH BARRY 419 PRINCE ARTHUR W MTL 25 WESTOVER RD VERONA N J USA	B ENG CH 3 VI 9 3364
JONES LARRY ALFRED 475 PINE AVE W MTL 140 EDINBURGH RD GUELPH ONT	B A 2 VI 4 9270
JONES MARGARET ETHEL MACDONALD COLLEGE 12270 GOLF RD MONTREAL 9 QUE	3 TCHRS 1 FE 1 0087
JONES PETER OWEN 1441 DRUMMOND ST MTL 1 BROWN ST APT 12 STE ANNE DE BELLEVUE QUE	D D S 3 VI 9 4171
JONES PHILIP FREDERICK 1452 ST MATTHEW ST APT 1 MTL MELROSE 5 THE RISE LLANISHEN CARDIFF WALES U K	B A 3 WE 7 0211
JONES RODERICK FORBES DOUGLAS HALL WESTERLEA LINLITHGOW WEST LOTHIAN SCOTLAND	B COM 4
JONES SIDNEY CYRIL MACDONALD COLLEGE 1 BROWN ST APT 12 MONTREAL QUE	H S D DIP 1 GL 3 6985
JONES TREVOR FRANKLIN 1650 NORWAY RD TOWN OF MT ROYAL QUE	B ENG 2 RE 7 9787
JONES WILLIAM ERNEST 3201 FOREST HILL AVE MTL 65 WELDON ST SACKVILLE N B	PH D 2 RE 9 7384
JOSEPH ALAN EDWARD 428 SHERBROOKE ST W MTL 178 03 114 RD JAMAICA 34 N Y USA	MD CM 4
JOSEPH CAROLE 3825 DUPUIS AVE APT 17 MONTREAL QUE	B A 1 RE 8 6941
JOSEPH HENRY WALKEM 2054 MCGILL COLLEGE MTL 1 PARK PL ST CATHARINES ONT	B ENG 2 VI 4 0718
JOSEPH ISABEL F 9 SPRINGFIELD AVE WESTMOUNT QUE	B SC 3 WE 7 2086
JOSEPH MINNA RAE ROYAL VICTORIA COLLEGE 40 VAUGHN AVE NEW ROCHELLE N Y USA	B A 2 VI 9 0858
JOSEPH SARA ETHEL ROYAL VICTORIA COLLEGE 1 PARK PL ST CATHARINES ONT	B A 4 VI 2 0479
JOSHI NARENDRA N POST BOX 87 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 2
JOYAL ANDRE 2942 SHERBROOKE ST E MONTREAL QUE	MED DIP 1 LA 1 3397
JOYAL LAURENT 3561 HUTCHISON ST MTL 471 BROCK ST DRUMMONDVILLE QUE	B ARCH 6 AV 8 7005
JUAREZ R FERNANDO 266 OLIVIER AVE WESTMOUNT QUE	B C L 2 WE 7 6442
JUCEVICIUS FELIKSAS 2851 MASSON ST MONTREAL 36 QUE	M A 1 RA 1 4906
JUE BRUCE CAMERON 314 GROSVENOR AVE WESTMOUNT QUE	PH D 2 HU 4 4097
JUHASZ STEPHEN EUGEN 11814 GENERAL GIRAUD ST MONTREAL QUE	PH D 3 FE 4 6896
JULIUS DAVID IRWIN 4440 HAMPTON AVE MONTREAL QUE	B SC 1 HU 9 3110
JUNAID AYODELE ABDUR R 4455 COLONIAL AVE APT 208 MONTREAL 18 QUE	B COM 3 VI 5 4857
JUPITER HENZEL 934 PRATT AVE OUTREMONT QUE	B SC 2 RE 7 5897
JURAS JOHN EDWARD 7509 CHAMPAGNEUR AVE MONTREAL QUE	2 TCHRS 1 CR 6 5278
JURGUTIS PETER PAUL 6420 38TH AVE MONTREAL 36 QUE	B ENG EL 4 CL 5 4279
JURKUS RIMANTAS ALBINAS 1143 4TH AVE APT 3 VERDUN 19 QUE	M SC 2 PO 9 7724
JUTKOWITZ ROBERT SETH WILSON HALL 116 BAJART PL YONKERS NEW YORK USA	B A 1
JYOTI VIJAY KUMAR 3424 DRUMMOND ST APT 7 C O PT LAHORI RAM JYOTI KOT KISHEN CHAND JULLUNDUR CITY PANJAB INDIA	B ENG MCH 4 VI 4 0659

K

KACHANOFF RALPH 2165 CAMBRIDGE RD TOWN OF MT ROYAL QUE	B SC 2 RE 7 5520
KADANOFF NORMAN 2217 BARCLAY AVE MONTREAL QUE	B ENG CIV 4 RE 7 4775
KADER FRED J 2225 BEDFORD RD MONTREAL QUE	MD CM 1 RE 3 8933
KADOWAKI ROBERT SHIGERN 3895 BEAUBIEN ST APT 16 MONTREAL QUE	D D S 2 RA 8 0662
KAGUMBA SAMUEL SHADRACK 3520 LORNE AVE MTL IHURURU MARKET NYERI KENYA BR EAST AFRICA	B ENG MCH 4 VI 5 2525
KAHLSTROM EMILY JEAN 500 PINE AVE W MTL 275 PARK AVE LONG BEACH 3 CALIF USA	MD CM 2
KAHNE BEVERLEE 4802 DORNAL MONTREAL QUE	B A 1 RE 7 7154
KAIL ALEXANDRA MIROSLAVA 5555 ALPINE AVE MONTREAL QUE	MD CM 4 HU 8 5272
KAISER RICHARD JACK 4828 VICTORIA AVE MONTREAL QUE	B COM 2 HU 1 6371
KALAN JOHN SILVESTER 100 STANLEY AVE VILLE ST PIERRE QUE	B ENG EL 3 HU 4 7087
KALAU RICHARD GEORGE 2154 GUERTIN ST LAURENT QUE	B ENG MCH 5
KALIFON BERTHA 2767 MAPLEWOOD AVE MONTREAL QUE	B SC 2 RE 3 3014

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NAME ADDRESS	COURSE & YEAR TEL. NO.
KALIFON CECILE 2767 MAPLEWOOD AVE MONTREAL 26 QUE	M A 1 RE 3 3014
KALINA MARGARET GWENOLYN ROYAL VICTORIA COLLEGE GRAY SASK	B SC 2 VI 4 0829
KALLENBACH ERNST 4260 CARLTON AVE MONTREAL QUE	PH D 2 RE 7 8729
KALLOO HECTOR 1001 SHERBROOKE ST W MTL FREEMAN ST ST JOSEPH TRINIDAD W I	B SC 3 VI 4 2122
KALMAN GEORGE 3668 DUROCHER ST APT 17 MONTREAL QUE	B SC 4 VI 5 6404
KALMANASCH ELEANOR 5035 ROSLYN AVE MONTREAL QUE	B A 2 RE 8 8347
KAM CHAN YIU 3512 SHUTER ST APT 2A 284 HENNESSY RD GRD FLR WANCHAI HONG KONG	B ENG CIV 4
KANGAS MARIS 2 MAPLE AVE APT 18 STE ANNE DE BELLEVUE QUE	B SC H EC 4 GL 3 8897
KANNER HOWARD 5521 CAMPDEN PL MONTREAL QUE	B A 2 RE 3 2490
KAPLAN LEONARD MARTIN 3820 CLARK ST MONTREAL QUE	B ENG CH 5 AV 8 5675
KAPLANSKY MARVIN 1423 CAROL CRES ST MARTIN QUE	B SC 2 MU 1 3815
KAPLOW HOWARD BERNARD 7080 CHESTER AVE MONTREAL QUE	B ENG 1 HU 8 2014
KARAM JOSEPH GEORGE 2500 COTE ST CATHERINE MONTREAL QUE	B A 4 RE 8 2784
KARAMANIAN JACK AGOP 5622 SHERBROOKE ST W MONTREAL QUE	B ENG 1 HU 8 7803
KARAYANNIDES DEMETRE 8305 BLOOMFIELD AVE APT 14 MONTREAL 15 QUE	D D S 4 CR 4 4522
KARHAN ARNOLD UDO 6580 CASSIDY MONTREAL QUE	B COM 1 HU 9 4421
KARKLING WALDEMAR PABLO 308 YOUNG ST MTL C O CHILE EXPLORATION CO CHUQUICAMATA CHILE S AMERICA	M S W 1 WE 7 5973
KARME VALERIE ELIZABETH 630 PRINCE ARTHUR ST W APT 5 MONTREAL QUE	M SC 1 VI 5 7747
KARPATI STEVE ANTHONY 5311 WALKLEY AVE APT 202 MONTREAL 29 QUE	B SC 2 HU 9 1862
KARPISHKA ROMAN BOHDAN 823 WILLIBRORD AVE VERDUN QUE	B A 3 PO 9 3035
KARSH LOUISE JOAN 3930 MACKENZIE ST MONTREAL QUE	B A 1 RE 8 4522
KARU REET STEWART HALL 376 BLACKTHORN AVE TORONTO 15 ONT	B SC H EC 1
KASAK LIIVI OIE 4304 OXFORD AVE MONTREAL 28 QUE	B SC 2 HU 4 8845
KASHTAN JUDITH 6372 MOUNTAIN SIGHTS AVE MONTREAL QUE	B SC P OT 2 RE 3 9635
KASIRER PAUL 460 GROSVENOR AVE WESTMOUNT QUE	PARTIAL
KASPER KATHLEEN 2239 GIROUARD AVE MONTREAL QUE	MUS B 4 HU 8 5980
KASTNER LORNE N 5170 HAMPTON AVE MONTREAL 29 QUE	B A 1 HU 1 2791
KATES RAYNA 5105 LACOMBE AVE MONTREAL QUE	B A 2 RE 3 4126
KATO GABOR 5880 N D G AVE MONTREAL QUE	B SC 3 HU 8 8363
KATOPODIS EPAMINONDAS 2760 VAN HORNE AVE APT 7 MONTREAL QUE	PH D 1 RE 3 8939
KATZ ABRAHAM SIMON 5355 COOLBROOK AVE MONTREAL QUE	MD CM 1 HU 6 8200
KATZ BARBARA 820 MCEACHRAN APT 3 MONTREAL QUE	B A 1 CR 9 4676
KATZ BERNARD DAVID 5611 BEAMINSTER PL MONTREAL QUE	B A 2 RE 8 8394
KATZ DAVID HARRY 4506 LACOMBE MONTREAL QUE	B COM 1 RE 8 7718
KATZ ESTHER ROSSI MACDONALD COLLEGE 4348 MADISON AVE MONTREAL QUE	B ED P ED 2
KATZ JOYCE EVELYN 4894 FULTON ST MONTREAL QUE	2 TCHRS 2 RE 8 8175
KATZ KENNETH MICHAEL 15 KINDERSLEY AVE MONTREAL 16 QUE	B A 1 RE 8 7460
KATZ LEONARD 15 KIDERSLEY AVE MONTREAL 16 QUE	B A 1 RE 8 7460
KATZ MAX GEORGE 3661 ST FAMILLE ST APT 51 MTL 74 TASCHEREAU ST W ROUYN QUE	MD CM 1 VI 9 3834
KATZ NATHANIEL 2780 BEDFORD RD MONTREAL QUE	B ENG 1 RE 9 0534
KATZ SANDRA JUDY 4970 KENT AVE MONTREAL QUE	2 TCHRS 2 RE 7 7607
KATZIN HAROLD JOHN 3851 UNIVERSITY ST MTL 13328 110TH AVE EDMONTON ALTA	B ARCH 2
KAUFFMAN DAVID 5500 BEAMINSTER PL MONTREAL 26 QUE	B A 1 RE 8 4671
KAUFMAN LEON 1640 VAN HORNE AVE APT 2 OUTREMONT QUE	MD CM 2 CR 2 4489
KAUFMAN MAX 3498 WILSON AVE MONTREAL QUE	B SC 1 HU 6 8166
KAUFMAN RHONDA 346 DUFFERIN RD HAMPSTEAD QUE	B A 1 HU 8 4823

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NAME ADDRESS	COURSE & YEAR TEL. NO.
KAUFMAN RICHARD IAN 215 EDGEHILL RD WESTMOUNT 6 QUE	B COM 1 HU 4 0294
KAUSER NICOLAS 63 PROCPECT AVE WSTMT 48 CALLE 7 LOS PALOS GRANDES CARACAS VENEZUELA	B ENG EL 3 WE 3 6110
KAUSER STEPHEN JOSEPH 301 METCALFE AVE APT 103 WSTMT CALLE 7 48 LOS PALOS GRANDES CARACAS VENEZUELA	B COM 2 WE 7 8746
KAVALERSKY ALEC ERIC 5416 WAVERLY ST MONTREAL QUE	B ENG CIV 3 CR 3 2005
KAVANAGH LINDA ANNE MACDONALD COLLEGE 29 SPOOR ST FARNHAM QUE	2 TCHRS 2
KAVCIC FRANK MICHAEL 3705 ST DOMINIQUE ST MONTREAL QUE	PH D 4 VI 2 3545
KAWCZAK MICHAEL 7486 BIRNAM ST MONTREAL 15 QUE	B ENG AM 3 CR 4 9027
KAY JOHN STEPHEN 34 BAYVIEW AVE PTE CLAIRE QUE	B SC 1 OX 5 6449
KAY SANDRA JANE LAIRD HALL R R 1 VINELAND STATION ONT	B SC H EC 1
KAY VALERIE ANSTICE 241 LAKESHORE DR STRATHMORE QUE	B ED 3 ME 1 1252
KAYE STUART MORTIMER 474 PRINCE ARTHUR APT 8 68 HENRY ST TRENTON ONT	B SC 3 VI 5 8597
KAYSER EDMUND PROSPER M 1520 PINE AVE MTL 97 WELLAND AVE ST CATHARINES ONT	B SC 4 WE 3 4190
KAYSER ROBERT HARVEY 326 BALLANTYNE AVE N MONTREAL WEST QUE	B ENG 2 HU 6 3095
KAZAKS CLAUDE KLAVS 222 REDFERN AVE APT 34 WESTMOUNT QUE	B SC 2 WE 3 1352
KAZAKS PETERS ALEXANDERS 222 REDFERN AVE APT 34 WESTMOUNT QUE	B SC 3 WE 3 1352
KAZEM DAROUBEHEH M BRITTAIN HALL 165 SEADAT ST SHAHPOUR AVE TEHERAN IRAN	B SC AGR 1
KAZI SADAT ISLAM 625 BLVD STE CROIX VILLE ST LAURENT QUE	M A 2 RI 7 2444
KAZLAUSKAS ALGIRDAS M 2536 BEAUCLERK ST MONTREAL 5 QUE	B ENG 2 CL 6 6877
KEAN WILMORE MILAS 3445 PEEL ST MTL 2 148 WEST VALLEY RD CORNER BROOK NFLD	B SC 2 VI 5 9462
KEARNS FRANK J 112 HERMISTON AVE PTE CLAIRE QUE	B ENG MCH 5 OX 7 1754
KEATING NOREEN MARGARET ROYAL VICTORIA COLLEGE 3 OAKLEIGH AVE HALIFAX N S	MUS B 1 VI 2 0597
KEAYS MARION ALDINE STEWART HALL 115 OAK RIDGE DR BAIE D URFE QUE	B SC H EC 3
KEDDY GEORGE WILLIAM 3473 UNIVERSITY ST MTL 113 CARLETON ST SAINT JOHN N B	B ENG 1 VI 9 1791
KEE WING KIN 34 YEE WOO ST 2ND ST CAUSEWAY BAY HONG KONG	B SC 1
KEELER WINSTON WOODARD BOX 14 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PARTIAL GL 3 4767
KEEN ROBERT GEORGE 5885 BANNANTYNE AVE VERDUN QUE	B ENG 2 PO 8 2670
KEENAN DONALD JOSEPH 1044 CONDE ST DUVERNAY QUE	B ENG CIV 5 MO 9 6058
KEENAN THOMAS JOHN 250 LAIRD BLVD TOWN OF MT ROYAL QUE	B A 1
KEENEY PATRICIA JOAN 2417 MONTCLAIR AVE MONTREAL QUE	B SC N 1 HU 9 0761
KEIL LOUIS DOUGLAS 1115 POIRIER ST ST LAURENT QUE	B ENG AM 4 FE 4 7558
KEITH BARRY DAVID 9 SUNNY ACRES BAIE D URFE QUE	B ENG 1 GL 3 8786
KEITH MAC JOHNSTON ANNE ROYAL VICTORIA COLLEGE PEAPACK NEW JERSEY USA	B A 1 VI 2 0597
KEITH OLIVE ENID 2019 STANLEY ST APT 16 HAVELOCK KINGS CO N B	B N 2 VI 9 1489
KELDER ROBERT JAN 15 EVERGREEN CRES BEACONSFIELD QUE	B A 2 OX 5 3785
KELENSON PHILIP 6315 DE VIMY AVE MONTREAL QUE	M A 1 RE 8 5928
KELL PAMELA ANNE STEWART HALL 217 1ST AVE GATINEAU MILLS QUE	B SC H EC 3
KELLAND FRANK DEVON 37 CURZON AVE MONTREAL WEST QUE	B COM 2 HU 6 7459
KELLER LINDA MARCIA 4317 VAN HORNE AVE MONTREAL QUE	2 TCHRS 2 RE 3 1365
KELLER RHONA JOAN 5864 DECELLES PL APT 16 MONTREAL QUE	MD CM 4 RE 3 2955
KELLMAN MARTYN CARDEN 3431 DRUMMOND ST MTL RICHMOND TERR CASCADE TRINIDAD W I	B SC 3 VI 9 0243
KELLNOR JOAN FRANCES 694 GROSVENOR AVE WESTMOUNT QUE	B ED 3 HU 6 2062
KELLY GERALD OLIVER BRITTAIN HALL 127 WALTON ST PORT HOPE ONT	B ED P ED 1
KELLY JOAN CAROLYN 5235 GRAND BLVD MONTREAL 29 QUE	B A 3 HU 6 4407

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KELLY PAUL BRINDAN 6300 LENNOX APT 308 MTL 2164 HYDE ST SAN FRANCISCO USA	MD CM 4
KELLY SHARRON MAXINE 165 FIFTH AVE PINCOURT VAUDREUIL QUE	B SC 1 GL 3 4540
KELLY SUZANNE MARY 423 ROSLYN AVE WESTMOUNT QUE	B SC 1
KELLY VICTOR NICHOLAS 2055 UNIVERSITY ST APT 2 MONTREAL QUE	M SC APP 1
KELSO JANET DELLA CLARA MACDONALD COLLEGE ST PIERRE BAPTIST QUE	3 TCHRS 1
KEMBALL PETER RITCHIE 4191 HINGSTON AVE MONTREAL QUE	B ENG MCH 4 HU 4 4205
KEMELMAN ARTHUR FREDERIC 495 PRINCE ARTHUR ST APT 18 MTL 47 HUMPHREY ST MARBLEHEAD MASS USA	B A 1 VI 4 7684
KEMP DENNIS JOHN DOUGLAS HALL BOX 244 LLOYDMINSTER SASK	B SC 2
KEMP ELSPETH ANNE 23 GLENDALE AVE BEACONSFIELD QUE	B A 2 OX 5 2237
KENNEDY BRIAN WAYNE 112 YONGE VALOIS QUE	B SC AGR 1 OX 7 1166
KENNEDY ELAINE MARY 3417 LACOMBE AVE MONTREAL 26 QUE	B A 2 RE 8 2018
KENNEDY IAN F T 3434 MCTAVISH ST MTL 312 RUSSELL HILL RD TORONTO ONT	B ENG 2
KENNEDY JAMES ALLAN A 42 DE GALAIS ST LAVAL DES RAPIDES QUE	B SC 2 MU 1 0340
KENNEDY JAMES ROSS 78 DOBIE AVE TOWN OF MT ROYAL QUE	B SC 3 RE 3 6130
KENNEDY JANE MCLEOD ROYAL VICTORIA COLLEGE 725 SHERIDAN RD LAKE FOREST ILL USA	B A 1
KENNEDY LESLIE JOY 1509 SHERBROOKE ST W APT 39 MONTREAL QUE	B A 4 WE 3 2061
KENNEDY RONALD DAVID 112 YONGE CRES PTE CLAIRE QUE	B ENG CH 4 OX 7 1166
KENNEY MICHAEL 98 ROXTON CRES MONTREAL WEST QUE	B ENG CIV 5 HU 8 6367
KENNY DAVID PATRICK 1947 ST LUC ST APT 3 MTL 205 HUDSON AVE OTTAWA 5 ONT	B ENG MCH 5 WE 2 7905
KENNY ESTHER LYNNE ROYAL VICTORIA COLLEGE 143 MOUNTAIN AVE S MONTCLAIR N J USA	B A 4 VI 2 0639
KENNY JOHN WADE 8025 UPPER LACHINE RD MONTREAL WEST QUE	B SC 1 HU 6 5661
KENNY LORNE MILFORD 16 SUNNYSIDE AVE PTE CLAIRE QUE	PH D 3
KENNY MICHAEL BRITTAIN HALL R R 1 ORLEANS ONT	AGR DIP 2
KENNY WILLIAM FRANCIS 456 PINE AVE APT 7 MTL 7200 RIDGE BLVD BROOKLYN 9 N Y USA	MD CM 4
KENT JUDITH HOPE 24 EDGEHILL RD MONTREAL QUE	B ED 3 HU 9 7319
KENT YAVUZ VICTOR QUEEN ELISABETH HOSPITAL MONTREAL 28 QUE	MED DIP 1 HU 8 2311
KENTEBE PATRICK SUNNY 3523 LORNE AVE MTL 96 TOKUNBOH ST LAGOS NIGERIA	B ENG 2
KENTISH KATHLEEN GERTRUDE MACDONALD COLLEGE C O MRS G L STEWART 502 BRONSON AVE APT 2 OTTAWA ONT	3 TCHRS 1
KENTRIDGE LEON ROSS 3495 RIDGEWOOD APT 100 MONTREAL QUE	M ARCH 1 RE 9 9017
KENYON JOHN 7500 3RD AVE LAVAL WEST QUE	PH D 3 NA 7 3375
KERGIS ERIKA MARGARET 1472 BISHOP ST APT 6 MONTREAL QUE	B L S 1
KERKLAAN LEONARDUS J 77 5TH AVE ROXBORO QUE	B ENG 1 MU 4 2932
KERMAN SEYMOUR 4840 MAPLEWOOD AVE APT 8 MONTREAL QUE	B ENG 1 RE 8 0229
KERR BARBARA DAWN 353 PRINCE EDWARD AVE OTTERBURN HEIGHTS QUE	B SC P OT 2 FO 7 4259
KERR MARILYN JANE K STEWART HALL VAUDREUIL QUE	B SC H EC 1
KERRIGAN CLAIRE FISHER 17 ANWORTH RD WESTMOUNT 6 QUE	M S W 1 WE 2 0132
KERSHMAN NAOMI PEARL 743 WILDER AVE MONTREAL 8 QUE	B SC 3 CR 9 0526
KERTESZ GABOR 5972 MCSHANE MONTREAL QUE	B SC 2
KERTESZ JANOS PETER 3201 FOREST HILL AVE 142 VAUGHAN RD TORONTO ONT	B SC 2 RE 1 0882
KESES IRVING MORRIS 4159 CITY HALL AVE MONTREAL QUE	B ENG CH 5 VI 5 6944
KESKINER ALI QUEEN MARY HOSPITAL QUEEN MARY RD MONTREAL QUE	MED DIP 3 RE 8 9481
KESSLER LAWRENCE IRVING 4475 GRAND BLVD APT 6 MONTREAL 28 QUE	B ENG EL 5 HU 6 3583
KESSNER NORMAN SHELDON 4875 MIRA RD MONTREAL QUE	B A 2 HU 1 7948
KETCHESON GRANT A BRITTAIN HALL R R 1 MADOC ONT	B SC AGR 3

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
KETTER ANNA MARIA 2045 BISHOP ST APT 7 MONTREAL QUE		M A 2
KETURKA RIMAS 1559 DE SEVE MONTREAL 20 QUE	PO 6 8263	MUS B 1
KEYES MARILYN SIMONE 4684 LACOMBE MONTREAL QUE	RE 3 5835	B A 1
KEYTON PAUL AYLIFFE 4575 GRAND BLVD MONTREAL 28 QUE	HU 6 5261	B A 4
KHAN ABDULLAH YUSUF 3660 HUTCHISON ST APT 11 CHAMP FLEURS ST JOSEPH TRINIDAD W I	VI 4 5994	MD CM 1
KHAN ABU TALIB 3570 SHUTER ST APT 3 MTL 147 SIXTH ST BARATARIA TRINIDAD B W I		B SC 2
KHAN IMRAN 3310 MAPLEWOOD AVE APT 17 MONTREAL 26 QUE	RE 1 6507	MD CM 4
KHAN JAWAID 5821 WESTLUKE AVE MONTREAL 29 QUE	HU 8 4472	B ENG 1
KHAN KHALID 3574 SHUTER ST APT 3 MTL 147 SIXTH ST BARATARIA TRINIDAD W I		B SC 1
KHAN MOHAMED SALIM BOX 8 HUT B 20 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE		B SC AGR 2
KHAN MOHAMED SHAHEED BOX 8 MACDONALD COLLEGE 95 TRIUMPH VILLAGE E C DEMERARA BR GUIANA		B SC AGR 1
KHAN MOHAMMAD ANWAR 3594 STE FAMILLE ST MONTREAL QUE	AV 8 9713	PH D 2
KHAN MOHAMMED AFZAL 3660 HUTCHISON ST APT 11 22 HILLTOP DR CHAMPS FLEURS ST JOSEPH TRINIDAD W I	VI 4 5994	B SC 2
KHAN SHEERAZ C 6 HUT MACDONALD COLLEGE SUCCESS VILLAGE LAVENTILLE TRINIDAD W I		B SC AGR 2
KHAN ZAFAR 5821 WESTLUCKE AVE MONTREAL 29 QUE	HU 8 4472	B COM 4
KHAWAJA NAZIR AHMED 3523 HUTCHISON ST MONTREAL QUE	VI 5 6365	PH D 2
KHAZZAM DAVID EZRA 44 SUNNYSIDE AVE WESTMOUNT QUE	HU 8 6892	B ENG 2
KHAZZAM DJEMIL EZRA S 44 SUNNYSIDE AVE MONTREAL QUE	HU 8 6892	B A 2
KHO THWAN SIET 3647 UNIVERSITY ST MONTREAL 2 QUE	VI 9 2806	M ENG 3
KHOUW BOEN HENG 3445 PEEL ST MONTREAL QUE	VI 5 9462	PH D 3
KIBENA AIMI LEHTE 2171 ST LUC ST APT 6 MONTREAL QUE	WE 3 9678	PARTIAL
KIBRICK ARNOLD JACOB 4352 DE LA PELTRIE MONTREAL QUE	RE 3 5693	B ENG EL 5
KIDD SANDRA MACDONALD COLLEGE STANBRIDGE EAST QUE		3 TCHRS 1
KIERANS THOMAS EDWARD 5631 QUEEN MARY RD HAMPSTEAD QUE	HU 6 3129	B A 4
KILGOUR KENNETH L A BRITTAIN HALL BOX 223 SHAWVILLE QUE	QL 3 1997	AGR DIP 1
KILGOUR MARY SUSAN C 2 ELLIS ST BEAUHARNOIS QUE	CO 8 3451	B L S 1
KILGOUR MARY SYLVIA LOIS 3333 COTE STE CATHERINE 215 MAPLE ST N TIMMINS ONT		B SC P OT 1
KILLAM DONALD A 202 LAZARD AVE MONTREAL 16 QUE	RE 8 9146	B SC 3
KILLAM JAN KRISTINE MCLENNAN HALL 51 VERNON ST HALIFAX N S	VI 2 0044	B SC P OT 2
KILPATRICK HEATHER RUTH V STEWART HALL 1116 SIXTH AVE VERDUN QUE		B ED 2
KILPATRICK JOHN DOUGLAS 103 CLEMENT AVE DORVAL QUE	ME 1 1397	B SC AGR 1
KIM CHANG YULL 3508 UNIVERSITY ST MTL 162 JANGCHOONG DONG 2 KA CHOONG KU SEOUL KOREA	VI 5 4873	B D 2
KIMPTON OLIVIA CATHERINE 376 REDFERN AVE APT 14 WESTMOUNT QUE	WE 2 6382	B A 4
KING DIANA B 614 BELMONT AVE WESTMOUNT QUE	HU 8 5111	B A 1
KING DONNA MARY 49 FRANKLIN AVE TOWN OF MT ROYAL QUE	RE 3 3803	B A 2
KING JAMES FRANKLIN 2379 MARIETTE AVE MONTREAL QUE	HU 9 0486	B ED 3
KING JOAN PEARL 699 SIXTH AVE VERDUN QUE	PO 6 6404	B A 2
KING KATHERINE SANDRA 557 BERWICK AVE TOWN OF MT ROYAL QUE	RE 3 8104	B SC P OT 2
KING PETER CHARLES 3633 OXENDEN AVE MTL 51 HOLLAND PARK LONDON W 11 ENGLAND	AV 8 6896	B ENG AM 3
KING RICHARD MICHAEL 2455 MAPLEWOOD AVE MONTREAL QUE	RE 9 8849	B ENG CIV 5
KING ROBINSON SAMUEL 3504 SHUTER ST MTL 80 ST JOSEPH VILLAGE SANFERNANDO TRINIDAD W I	VI 4 4587	B SC 3
KINGHORN CHARLES P 4820 ROSLYN AVE MONTREAL 29 QUE		B A 3
KINGSBURY DONALD M 3609 UNIVERSITY ST MONTREAL 2 QUE	AV 8 6307	PH D 2
KINGSTONE EDDIE THE MAUDSLEY HOSPITAL LONDON S E 5 ENGLAND 5571 PINDALE COTE ST LUC QUE		MED DIP 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
KINLEY DONALD L 3466 MCTAVISH ST MTL 116 ASHLAND RD SUMMIT NEW JERSEY USA	MD CM 2 AV 8 9533
KINLOCH ALBERT MACKINNON DOUGLAS HALL 2715 82ND AVE S E CALGARY ALTA	B SC 3
KINNEY DAVID BRUCE SOUTH HERO VT USA	PARTIAL
KINSMAN STEPHEN ALFRED M 472 COTE ST ANTOINE RD WESTMOUNT QUE	B A 2
KIPLING ARLIN LLOYD 3609 UNIVERSITY ST MTL BOX 415 MELFORT SASK	M SC 2 AV 8 6307
KIRCHEN RALPH WESLEY 6950 FIELDING AVE APT 111 MONTREAL 29 QUE	PARTIAL HU 9 6274
KIRCHNER ANDRAS 4200 MAPLEWOOD APT 10 MONTREAL QUE	B L S 1 RE 1 4162
KIRK ROBERT CHANDLER 1380 SHERWOOD CRES TOWN OF MT ROYAL QUE	B COM 3 RE 8 7463
KIRKBY PETER 3485 MCTAVISH ST MTL 51 POPPY THORN LANE PRESTWICH MANCHESTER ENGLAND	M SC 2 VI 9 0141
KIRKIS PETER GEORGE 1641 LINCOLN AVE APT 1 10 MACKENZIE KING ST ATHENS GREECE	B ENG MCH 5
KIRKPATRICK MARGARET D 3492 PEEL ST MONTREAL QUE	B L S 1 VI 2 7362
KIRKPATRICK THOMAS C 4470 DUPUIS MONTREAL QUE	B COM 1 AV 8 3891
KIRKWOOD RONDALYN ANN 2135 ST MARC AVE APT 3 357 MAPLE AVE ST LAMBERT QUE	GRAD DIP 1
KIRSCHBERG GORDON JOSEPH 4742 LACOMBE AVE MONTREAL 26 QUE	B SC 2 RE 8 8974
KIRSCHENBAUM ELEANOR 5802 WILDERTON AVE MONTREAL QUE	B A 2 RE 8 8157
KISBER STEPHEN DAVID 6307 DE VIMY AVE MONTREAL QUE	B COM 3 RE 8 6437
KISH MARY LAIRD HALL 1950 TUPPER ST MONTREAL QUE	2 TCHRS 2
KISHNER GERALD SEYMOUR 4911 VAN HORNE AVE MONTREAL QUE	B COM 1 RE 8 3108
KISIL FRED THEODORE 7970 CHAMPAGNEUR AVE MONTREAL 15 QUE	B SC 2 CR 1 9513
KISILEVSKY HERSHY HARRY 5996 MACDONALD AVE MONTREAL 29 QUE	B SC 1 HU 4 6081
KISILEVSKY ROBERT 5916 MACDONALD AVE MONTREAL 29 QUE	MD CM 3 HU 6 3379
KISILEVSKY ZIPPORAH 5916 MACDONALD AVE MONTREAL 29 QUE	B A 1 HU 6 3379
KISS ARON 1592 PINE AVE W MONTREAL QUE	B ENG CIV 4

NAME ADDRESS	COURSE & YEAR TEL. NO.
KISS JOSEPH MTL GENERAL HOSPITAL MONTREAL QUE	MED DIP 1
KITEALA JOHN 830 GORDON AVE APT 307 VERDUN QUE	MD CM 4 PO 6 3359
KITTERMAN JOSEPH A 3553 DUROCHER ST APT 406 855 CEDAR ST ALAMEDA CALIF USA	MD CM 3 AV 8 2626
KIVENKO HELEN FRAYDA 4924 LACOMBE AVE MONTREAL QUE	B A 3 RE 7 7701
KIVENKO JACK MARVEN 5716 QUEEN MARY RD MONTREAL QUE	B COM 4 HU 1 8340
KIVENKO JOHN ALBERT 6625 MACDONALD AVE MONTREAL 29 QUE	B ENG 2 RE 7 7321
KIVENKO KENNETH 5612 CLARK ST MONTREAL QUE	B ENG 2 CR 6 9273
KIVENKO STANLEY IRVING 5716 QUEEN MARY RD MONTREAL QUE	B COM 2 HU 1 8340
KIWITT GABRIELA EMILY 144 COTE ST ANTOINE WESTMOUNT QUE	M S W 2
KIZELL RACHEL LEAH ROYAL VICTORIA COLLEGE 295 FIRST AVE OTTAWA ONT	B A 2 VI 9 0858
KJELLSTROM ROLF EVERT 2027 CITY COUNCILLORS ST 1623 W 6TH AVE ASHTABULA OHIO USA	M A 1
KJERULF HEYN VAN K F 418 PINE AVE APT 30 MTL P O BOX 42 NEWCASTLE N B	B ENG 2
KLAIMAN RITA ROSLYN 5400 RANDALL AVE MONTREAL QUE	GRAD DIP 1 HU 6 6233
KLARBERG SHEILA 3841 ST KEVIN AVE MONTREAL QUE	B A 4 RE 3 6992
KLASS BAILLIE JEAN ROYAL VICTORIA COLLEGE 594 OAK ST WINNIPEG 9 MAN	B A 3 VI 2 0147
KLEIN AARON A 5500 CLANRANALD MONTREAL QUE	B ENG MCH 4 RE 8 9358
KLEIN BEATRICE JOYCE 855 ALEXIS NIHON ST LAURENT QUE	B A 1 RI 4 5090
KLEIN COLMAN 4885 COTE STE CATHERINE APT 15 MONTREAL QUE	B ARCH 6 RE 1 2474
KLEIN GEORGE 5770 HUTCHISON ST MONTREAL QUE	B SC 3 CR 7 8736
KLEIN JACK 6330 WESTBURY AVE MONTREAL QUE	B SC 1 RE 7 3039
KLEIN LLOYD LIONEL 855 ALEXIS NIHON BLVD ST LAURENT QUE	B SC 2 RI 4 5090
KLEIN RANDI STEWART HALL 5753 SMART AVE COTE ST LUC QUE	B SC H EC 2 GL 3 1959

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NAME ADDRESS	COURSE & YEAR TEL. NO.
KLEIN RENA 8 GARDEN CITY STE ANNE DE BELLEVUE 784 DAVAAR AVE OUTREMONT 8 QUE	3 TCHRS 1
KLEIN ROBERT HENRY 2630 GRAHAM BLVD TOWN OF MT ROYAL QUE	B COM 2 RE 7 6015
KLEIN SANDOR JACK 336 QUERBES AVE OUTREMONT QUE	B A 3 CR 2 1885
KLEIN SUSAN HARRIET 654 MURRAY HILL WESTMOUNT QUE	B SC 1 HU 6 6251
KLEIN WILLIAM 6307 TRANS ISLAND AVE MONTREAL QUE	B SC 1 RE 3 5076
KLEINBERG DAVID MARTIN 4414 HINGSTON AVE MONTREAL 28 QUE	B A 3 HU 1 3991
KLEINER IRVING STEVE 5751 NORTHMOUNT AVE MONTREAL 26 QUE	B A 3 RE 9 5711
KLEINER ISRAEL 1385 BERNARD W APT 9 MONTREAL QUE	M SC 2 CR 1 2262
KLEINMAN EZRA 4548 HARVARD AVE MONTREAL QUE	B A 3 HU 6 9912
KLEMBA JERRY 354 51ST AVE LACHINE QUE	B ED 3 ME 4 1748
KLEMENSBERG ROSALIND 5970 MCSHANE AVE MONTREAL QUE	B SC N 1 RE 7 7643
KLEMKA JOSEPH MATTHEW 8738 STE CLAIRE ST MTL 364 CYRILLE BEAUDRY RD SAINT PAYL DE JOLIETTE QUEBEC	B ENG 1 CL 6 5710
KLEPPER LAWRENCE MICHAEL 670 CAVEN CIRCLE ST LAURENT QUE	B SC 2 RI 7 2792
KLIGER GEORGE IRWIN 4645 KENT AVE MONTREAL QUE	B A 4 RE 3 3997
KLIGER LEONARD 4645 KENT AVE MONTREAL QUE	B A 1 RE 3 3997
KLINCK NANCY ALISON 1009 SHERBROOKE ST MTL 22 CHURCH ST LENNOXVILLE QUE	B A 2 VI 4 0426
KLING CHARLES JOSEPH 1469 ELIZABETH BLVD ST MARTIN QUE	B SC 2 MU 1 7685
KLUGER JOSEPH HERMAN 620 ABBOTT ST ST LAURENT C O QUALITY FABRICS LTD 400 ONTARIO ST W MONTREAL QUE	B SC 1 AV 8 8101
KMEC JOSEPH 3885 HENRI JULIEN AVE MONTREAL QUE	B ENG MCH 4 VI 9 5891
KNEBEL ROBERT ALEXANDER 5488 ISABELLA AVE MONTREAL QUE	B ENG CIV 4 HU 1 8347
KNIGHT LAWRENCE LARRY 1917 BARCLAY AVE MONTREAL QUE	B SC 2 RE 8 0692
KNOX STERLING EDWARD MACDONALD COLLEGE SHAWVILLE QUE	B SC AGR 2 GL 3 1828
KOBELANSKY THEODORE 833 HIBERNIA ST MONTREAL 22 QUE	B ENG MCH 3 WE 5 8174
KOLADA ANDREW 275 GEORGE 5TH ST DORVAL QUE	B ENG EL 4 ME 1 3217
KONECNY MIRKO 5410 ST IGNATIUS AVE MONTREAL QUE	B ENG MCH 5 HU 4 6758
KNIGHT RUSSELL MACARTHUR WILSON MEM HALL 77A BOTWOOD RD GRAND FALLS NFLD	B ENG 2
KNOWLES KENNETH WESLEY WILSON HALL P O BOX 862 NASSAU N P BAHAMAS	B SC 3
KNOWLES LOUISE BOAK LAIRD HALL 20 GARDEN CITY AVE STE ANNE DE BELLEVUE QUE	B SC H EC 1
KNUDSEN DITLEF ALISON 3485 MCTAVISH ST MTL 310 GREENLEAF AVE WILMETTE ILL USA	B ARCH 2 VI 9 0141
KNUTTI HANS JAKOB BOX 18 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D GL 3 2028
KO CHOK CHUNG WILFRED WILSON HALL 10054 112TH ST EDMONTON ALTA	B ENG 1
KO HONG SHING DAVID 1101 ANDERSON ST MTL 545 SHANGHAI ST 1ST FL KOWLOON HONG KONG	B ENG 2
KOCH CHRISTINE RUTH MACDONALD COLLEGE 4369 MONTROSE AVE WESTMOUNT QUE	2 TCHRS 2
KOCH INA HEIDI MACDONALD COLLEGE 340 13TH ST VAL D OR QUE	3 TCHRS 1
KOERNER RICHARD 5739 DARLINGTON AVE APT 6 MONTREAL QUE	B ENG EL 5 RE 1 5848
KOFFMAN LEONARD WILSON HALL 396 ISLAND PARK DR OTTAWA ONT	B ENG 1
KOFMAN MINNIE 810 BERTRAND AVE ST LAURENT 9 QUE	H S D DIP 1 RI 4 6128
KOH TEOW YAN 137 MILTON ST MTL 19 SOUTH CANAL RD SINGAPORE 1	B SC 4
KOHN BRUNO P O BOX 766 MONTREAL 3 QUE	PARTIAL
KOISTE KARI J 802 LUSIGNAN ST MONTREAL 3 QUE	B ENG PHY 3 WE 5 0332
KOIVULA ERIC ARTHUR R 106 FLORIDA DR BEACONSFIELD QUE	B ENG 1 OX 5 9704
KOLADA VERA LAIRD HALL 275 GEORGE V ST DORVAL QUE	B SC H EC 4 GL 3 1830
KOLAKOFSKY DANIEL 4159 CLARKE ST MONTREAL 18 QUE	B SC 2 VI 9 7821
KOLBER STANLEY LYON 4820 PLAMONDON AVE APT 204 MONTREAL QUE	MD CM 1 RE 9 7002

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NAME ADDRESS	COURSE & YEAR TEL. NO.
KOLLAR CATHERINE 3515 DUROCHER APT 64 MONTREAL QUE	B L S 1 VI 4 0229
KOLODNY LARRY 6061 WILDERTON MONTREAL QUE	B C L 3 RE 7 1894
KOLODNY SAMUEL FRANKLIN 6061 WILDERTON MONTREAL QUE	B A 1 RE 7 1894
KON JULIAN 5218 JEANNE MANCE MONTREAL QUE	B SC 3 CR 6 2025
KONANEC GERALD MAX 6550 20TH AVE MONTREAL 36 QUE	B SC 3
KONAR GOPA 32 MAPLE AVE STE ANNE DE BELLEVUE QUE C O DR R N KONAR DEPT OF BOTANY UNIVERSITY OF DELHI DELHI 8 INDIA	PH D 2 GL 3 5637
KONARZEWSKI STEFAN 119 ST CATHERINE LONGEUIL QUE	B ENG 2 OR 7 1722
KONGO HELE MALL 588 WESTLUKE AVE MONTREAL 29 QUE	B A 4 HU 4 0685
KONIGSBERG ALEXANDER S 4830 PLAMONDON APT 12 MONTREAL QUE	B C L 1 RE 3 2951
KONKIN NAIDA N ROYAL VICTORIA COLLEGE BOX 452 KAMSACK SASK	B A 4 VI 2 0477
KONSTATINOFF MYRA 180 COTE ST CATHERINE RD MONTREAL 8 QUE	B A 3 CR 2 7555
KONYK LEO N 475 PINE AVE W MTL 1026 LANSDOWNE AVE WINNIPEG 4 MAN	D D S 3 VI 4 4270
KORBER GERHARD PETER 1565 EDOUARD LAURIN APT 7 MONTREAL 9 QUE	B ENG 1 RI 4 3989
KORENBERG LELA CAROL 626 ALGONQUIN AVE MONTREAL 16 QUE	B SC 2 RE 8 7261
KORENTAYER KENNETH 104 HEBERT ST ST LAURENT QUE	B SC 3 RI 7 8631
KORMAN HENRY PHILIP 4630 HUTCHISON AVE MONTREAL QUE	B ENG MCH 5 CR 4 2801
KORN MORTON 5012 DE LA PELTRIE MONTREAL QUE	MD CM 4 RE 1 6116
KORN TADEK 2196 NOEL ST MONTREAL 9 QUE	B SC 3 RI 7 2770
KORNACHUK PAUL EDWARD 793 12TH AVE LACHINE QUE	B A 2 ME 7 1995
KORNBLUTH IRWIN 821 DOLLARD AVE MONTREAL 8 QUE	MD CM 4 CR 2 5617
KORNBLUTH JOYCE CORNELIA 719 UPPER BELMONT AVE WESTMOUNT QUE	B A 4 HU 1 7920
KORNBLUTH RALPH ROSS 975 HARTLAND AVE OUTREMONT QUE	MD CM 1 RE 3 2697
KORNBLUTH VICTORIA 719 UPPER BELMONT WESTMOUNT 6 QUE	B A 1 HU 1 3275
KOROL ROMAN 5270 WAVERLEY ST MONTREAL QUE	B ENG EL 4 CR 9 9714
KOROSS GERALD 4850 DES COURTRAI MTL 1510 LIBERTY AVE HILLSIDE 5 N J USA	D D S 2 RE 9 9237
KOSTMAN JUDITH BETH 644 MURRAY HILL WESTMOUNT QUE	B A 2 HU 6 2068
KOTLER MICHAEL LIONEL 445 DUFFERIN RD HAMPSTEAD QUE	3 TCHRS 1 HU 6 4614
KOTRLY ALENA MARIE 4676 VICTORIA AVE MONTREAL 29 QUE	B A 2 HU 4 9881
KOTTMEIER CONSTANCE JANE 240 ST JOHN S RD PTE CLAIRE QUE	B SC 1 OX 5 5417
KOTZE WESSEL JOHANNES 3459 DRUMMOND ST APT 43 P O BOX 3 TULBAGH C P UNION OF SOUTH AFRICA	M SC 1 VI 4 0653
KOURI GEORGE 9050 DE CHATEAUBRIAND ST MONTREAL 11 QUE	B COM 1 DU 1 6549
KOURI KENNETH E 7683 SHAUGHNESSY BLVD ST MICHEL QUE	B SC 1 RA 1 2023
KOVACS MARIA 1152 LAJOIE AVE MONTREAL 8 QUE	B SC 2 CR 6 1591
KOVACS REZSO LASZLO 1091 MACKAY ST APT 4 MONTREAL QUE	M SC 2 UN 1 6408
KOVALSKI JOYO 2105 CHOMEDY APT 29 MONTREAL QUE	PH D 4 WE 5 3762
KOVECSES FRANK BRITTAIN HALL MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 2 GL 3 5335
KOWALUK ALEXANDER BOHDAN 5232 RUE GLOBERT MTL 29 198 OAK STREET SUDBURY ONT	M ARCH 2 HU 8 3666
KOYAMA NOREEN AKEMI 6781 12TH AVE MONTREAL 36 QUE	B SC P OT 2 RA 1 9638
KOZAK JOHN JOSEPH 4520 SHERBROOKE ST LACHINE 11 GORDON ST GLACE BAY N S	B ENG EL 3 ME 7 4363
KOZIEROK LEON 4577 HUTCHISON ST MONTREAL QUE	B ENG 2 CR 6 0454
KOZLOW EDWARD JOHN 764 MARIN AVE MONTREAL 30 QUE	B SC 3 WE 5 2853
KRAAK HENRY JOHN 462 JOLIETTE AVE MONTREAL SOUTH QUE	B ENG 1
KRAJEWSKI RICHARD ARTHUR 2190 ST LOUIS PL ST LAURENT QUE	B ENG CIV 4
KRAMARZ HALINA 5323 LUCY PL MONTREAL QUE	D D S 3 RE 3 5980
KRAMER DAVID ALLAN 5062 GLENCAIRN AVE MONTREAL QUE	B COM 2 HU 6 3303
KRAMER DONALD R 3482 MCTAVISH ST MTL LANGENBURG SASK	D D S 2 VI 9 5965

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NAME ADDRESS	COURSE & YEAR TEL. NO.
KRAMER IRWIN 4526 DRAPER AVE MONTREAL QUE	B COM 1 HU 4 6913
KRAMER RICHARD BRIAN 1450 FRANKLYNN DR ST MARTIN QUE	B SC 1 MU 1 3307
KRASNOW LOUISE KALA 4860 LACOMBE AVE MONTREAL QUE	B SC 2 RE 8 0348
KRASNOW MARVIN LARRY 4980 CIRCLE RD MONTREAL QUE	B ENG MCH 5 HU 6 1904
KRAULIS ILZE 4972 DOLLARD ST PIERREFONDS QUE	B SC 4 MU 4 2758
KRAUSE DAVID ALAN 3431 DRUMMOND ST MTL 3128 KESWICK RD CLEVELAND 20 OHIO USA	B A 1 VI 9 0243
KRAVEC WILLIAM 767 10TH AVE LACHINE QUE	B ENG MCH 4 ME 4 1687
KRAVETZ AVIVA 3480 BEDFORD RD APT 3 MONTREAL QUE	B A 3 RE 8 6664
KRAYER KRAUSS ERICH A 2407 BARCLAY AVE MONTREAL 26 QUE	B ENG CH 3 RE 3 6580
KREINDLER SIMON DOUGLAS HALL P O BOX 264 BARBADOS WEST INDIES	B SC 4 VI 2 4976
KREMMEL OSCAR WILLIAM MACDONALD COLLEGE HEMMINGFORD HUNTINGDON CO QUE	B SC AGR 1
KREUSER ADOLPH PETER BRITTAIN HALL 29 BRUNNENSTRASSE BAD HONNEF AM RHEIN GERMANY	2 TCHRS 2
KRIESER THOMAS P 5890 SOUART APT 304 MONTREAL 26 QUE	B ENG EL 4 RE 1 4889
KRIKORIAN RICHARD DICKRAN 3655 OXENDEN AVE MTL 93 HILLSIDE RD WATERTOWN 72 MASS USA	B SC 1
KRINDLE MONTY 734 QUERBES AVE MONTREAL 8 QUE	B SC 2 CR 9 1961
KRISTJANSSON UNNUR 5128 NOTRE DAME DE GRACE 122 GARFIELD ST WINNIPEG 10 MAN	B N 2 HU 6 6282
KRISTOF FRANCIS EUGENE MENTAL HEALTH SERVICES ESSONDALE B C 1281 BURNABY ST VANCOUVER B C	MED DIP 3
KROEZE REIN WILLEM BRITTAIN HALL 2E BEUKENLAAN 17 APELDOORN HOLLAND	B SC AGR 3
KROLIK DONNA CAROLE ROYAL VICTORIA COLLEGE 870 SASK CRES E SASKATOON SASK	B A 2 VI 2 0847
KROLL ALLAN 4818 GROSVENOR AVE MONTREAL QUE	B SC 1 HU 1 2656
KROMP DIANE FELICIA 3161 APPLETON AVENUE MONTREAL 26 QUE	B A 4 RE 3 4144

NAME ADDRESS	COURSE & YEAR TEL. NO.
KRUPKA DANNY CHARLES V M 3647 UNIVERSITY ST MTL 103 RIVERDALE AVE OTTAWA ONT	B ENG PHY 5 VI 9 2806
KRUPSKI EVE MARY 1800 BLVD DE LAC ST EUSTACHE SUR LE LAC QUE	B A 2 NA 7 4256
KRUPSKI JADWIGA KAROLINA 1800 BLVD DU LAC ST EUSTACHE SUR LE LAC QUEBEC	2 TCHRS 2 NA 7 4256
KRUZICH FRANK 7672 BROADWAY ST LASALLE QUE	B ENG AM 3 DO 6 9076
KSONZEK EDMUND 11241 ST CATHERINE ST E MONTREAL EAST QUE	H S D DIP 1 MI 5 0504
KUBANEK GEORGE RUDOLF 360 WOOD AVE WSTMT 300 FIFTH ST MIDLAND ONT	B ENG CH 5 WE 2 3014
KUDO CATHERINE F 156 HILLSIDE AVE WESTMOUNT 6 QUE	MD CM 3 WE 5 9556
KUGELMASS MICHAEL IAN 5780 DAVIES AVE COTE ST LUC QUE	B SC 1 HU 8 4657
KUGLER GORDON MORTIMER 4602 MICHEL BIBAUD MONTREAL QUE	B A 2 RE 7 0572
KUHI TIIU ANN 120 BELMONT AVE PTE CLAIRE QUE	B A 4 OX 5 6412
KUJORE OLUFEMI OYINLOLA 3449 PEEL ST MTL 44 BOLA ST EBUTE METTA LAGOS NIGERIA	MED DIP 1 VI 4 0722
KULCSAR ELIZABETH B 4800 WILSON AVE MONTREAL QUE	B A 3 HU 4 0895
KULIK MARVIN RICHARD 3420 PEEL ST MTL 1049 JOHNSTON AVE WANTAGH L I NEW YORK USA	B SC 1 VI 2 1369
KULIK MORRIS 2225GOYER AVE MONTREAL 26 QUE	B ENG EL 3 RE 3 4786
KULIS JOHN FRANK 6701 LAURENDEAU ST MONTREAL QUE	B ENG EL 3 PO 6 9471
KUMAR BALDEV 2049 MCGILL COLLEGE AVE APT H MTL C O SEWA SINGH 449 L MODEL TOWN JULLUNDUR CITY PUNJAB INDIA	B COM 1
KUMAR GANRAJ 4039 TUPPER ST WSTMT C O MR RAJKUMAR 50 SHERIFF ST CAMPBELVILLE DEMERARA BR GUIANA S AMERICA	MD CM 4 WE 5 9641
KUMARAPELI PREMARATNE S C O DEPT OF GEOL SCIEN MCGILL UNIVERSITY GAMPAHA CEYLON	M SC APP 2
KUMASAKA YORIHIKO 510 PINE AVE W MTL YASHIMAEN TAKAMATEN JAPAN	MED DIP 4
KUNCHAL SUBODH KUMAR DEPT OF CHEMICAL ENG MCGILL UNIVERSITY MONTREAL QUE	M ENG 2

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KUNDLER IVAN 336 BERGEVIN APT 1 VILLE LASALLE QUE	B COM 1
KUNG YAM SO 3517 SHUTER ST APT 10 46 NATHAN RD GR FL KOWLOON HONG KONG	M ENG 1
KUNTZ HARRY 4575 GRAND BLVD APT 10 16 PATTANDON AVE KITCHENER ONT	S T M 1 HU 9 9897
KUNZ FRANK ANDREW FERENC 1146 BISHOP ST APT 2 MONTREAL QUE	PH D 2 UN 8 1218
KUPFERBLUM HANITA NITA 4101 BARCLAY AVE MONTREAL QUE	B A 1 RE 9 2087
KUPITSKY RONALD 430 WILLOWDALE AVE APT 7 MONTREAL QUE	B ENG MET 4 RE 3 6433
KURDYLA JOHN 3647 COLONIAL AVE MONTREAL 18 QUE	B SC 4 AV 8 3370
KURRUSK EVI 1130 LEPINE ST ST LAURENT QUE	B A 1 RI 7 5036
KURRUSK ILMAR 1130 LEPINE ST ST LAURENT QUE	B ENG CIV 4 RI 7 5036
KURTI THOMAS M 3721 JEANNE MANCE ST MTL BOX 145 NORTH WOODBURY CONN USA	MD CM 2 VI 5 5676
KURYS STANLEY ROBERT 585 25TH AVE LACHINE QUE	B ED 3
KURZ BRENDA FAYE ROYAL VICTORIA COLLEGE 1378 LAPERRIERE ST OTTAWA ONT	B A 1 VI 9 0030
KUSHNER IAN SEYMOUR 7625 CHAMPAGNEUR ST MONTREAL QUE	B ENG 2 CR 6 1916
KUSHNER JOSEPH 3550 LORNE AVE APT 7MTL 135 FRONT ST SOUTH PORCUPINE ONT	B ENG 2
KUSHNIR KWITOSLAWA MARY 3205 DE REPENTIGNY MONTREAL QUE	M A 1 CL 6 6198
KUSILS RUTA 3768 BOTREL ST MONTREAL 28 QUE	2 TCHRS 1 HU 8 3813
KUSS MARGARET ELIZABETH 3765 LAURIER AVE APT 8 MONTREAL 36 QUE	B SC 1
KUTZIN LORNA 6259 MOUNTAIN SIGHTS AVE MONTREAL QUE	3 TCHRS 1 RE 8 8812
KVARDA IVO JAN JOSEPH 3429 DRUMMOND ST MTL 199 DUNDAS ST W BELLEVILLE ONT	B ARCH 2
KWAI KING KO KERSTIN KO 3562 HUTCHISON ST MTL 100 B ARGYLE ST 3RD FL KOWLOON HONG KONG	B L S 1
KWAN ANTHONY LUN TAK 471 PRINCE ARTHUR W MTL 86 BLUE POOL RD HONG KONG	B ENG CIV 4
KWAN WILLIAM LOON GUEY 376 LABADIE ST MONTREAL 8 QUE	B ENG 2 CR 1 3764
KWAVNICK DAVID 1325 DUCHARME AVE OUTREMONT QUE	B A 4 CR 9 6752
KWOK CHI KAI CLYDE 212 MILTON ST APT 2 MTL 14 FUNG FAI TERR HAPPY VALLEY HONG KONG	B ENG MCH 5 VI 9 7406
KWONG NORMAN NAI MAN DOUGLAS HALL 1 PRINCE S TERR HONG KONG	MD CM 3 VI 5 0575
KYDD JOANNE LOUISE MACDONALD COLLEGE 593 2ND AVE POINTE AUX TREMBLES QUE	2 TCHRS 1
KYLE MARILYN AUDREY 2377 W 5TH APT 304 VANCOUVER B C	M S W 2
KYLE WILLARD HUGH 6571 MONKLAND AVE MTL 174 ALEXANDRA BLVD TORONTO ONT	B ENG 1 HU 6 1043

L

LAATSCH TORNOW RENE 3425 APPLETON AVE MONTREAL 26 QUE	B A 2 RE 1 4286
LABELLE GEORGE W 2284 MELROSE AVE MONTREAL QUE	B ENG CIV 5 HU 1 7643
LABELLE STEVE E 6 MAPLE AVE APT 49 STE ANNE DE BELLEVUE QUE R R 3 ARUNDEL QUE	2 TCHRS 2
LABERGE RENE PAUL 55 NELSON ST MONTREAL WEST QUE	B C L 2
LABOW JUDITH M 21 MCNIDER AVE MONTREAL QUE	B ED 4 CR 7 6464
LABOW SAMUEL B 4040 KINDERSLEY APT 305 MONTREAL QUE	MD CM 3 RE 1 7063
LACH FIONA JACQUELINE 3454 OXFORD AVE MONTREAL 28 QUE	B SC 1 HU 4 0482
LACHANCE MARCEL 4730 LAFONTAINE MONTREAL QUE	B ENG 2 CL 6 4801
LACHOWICZ ALOJZY RICHARD 3935 VERDUN AVE VERDUN 1341 PARENT AVE WINDSOR ONT	D D S 3 PO 7 3498
LACK PETER ROBERT 4430 CIRCLE RD MONTREAL QUE	B A 3 RE 8 6669
LACKEY ALLISON W 3015 SHERBROOKE ST W APT 406 MTL 445 PICCADILLY AVE OTTAWA ONT	MD CM 3 WE 7 3357
LACOMBE JOSEPH ALPHONSE B 6 ROBILLARD LAVALTRIE CTE BERTHIER QUE	B C L 4
LACROIX MICHAEL 773 LOGAN ST ST LAMBERT QUE	B ARCH 4 OR 1 8860
LACZKA JOHN LASZLO 2985 GOYER ST APT 10 MONTREAL QUE	B ENG 2
LADOUCEUR RONALD A J 2389 SHERBROOKE ST LACHINE QUE	B ENG EL 3 ME 7 7854

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LAFLEUR ANNE MARGARET 50 HEATH RD HAMPSTEAD QUE	B A 4 HU 4 4325
LAFLEUR J A GERARD 3449 PEEL ST MTL ROCKLAND ONT	L L M 1 VI 4 0722
LAFLEUR MARGOT JEAN 50 HEATH RD MONTREAL 29 QUE	B A 1 HU 4 4325
LAFOND CAMILLE 3516 LORNE AVE MTL R R 1 FIELD ONT	B ENG EL 3 VI 5 8330
LAFONTAINE GUY 6510 38TH AVE MONTREAL QUE	B ENG CIV 4 RA 5 4355
LAGASSE JACQUES NELSON 3508 UNIVERSITY ST MTL 125 LAROCHE ST VALLEYFIELD QUE	B ENG 2 VI 5 4873
LAGUEUX BARBARA ANN 487 DULWICH AVE ST LAMBERT QUE	B A 3 OX 1 7126
LAGUEUX BRIAN ALFRED 487 DULWICH AVE ST LAMBERT QUE	B SC 1 OR 1 7126
LAHAIE JOSEPH GERARD E J 4855 COTE ST LUC APT 203 GRACEFIELD QUE	B ENG EL 5
LAHIRI SUJATA 3619 UNIVERSITY ST MONTREAL QUE	PH D 3 VI 4 6311
LAHTI LEO 2750 BEDFORD RD APT 94 MONTREAL 26 QUE	B ENG CIV 5 RE 3 2687
LAIDLAW ARCHIBALD S PRESBYTERIAN COLLEGE 1300 QUEEN ST E SAULT STE MARIE ONT	B SC 2
LAIDLEY BRIAN HENRY 56 SUNNYSIDE AVE WESTMOUNT QUE	B COM 1 HU 6 6369
LAIDLEY WENDELL HALDANE 56 SUNNYSIDE AVE WESTMOUNT QUE	B ENG MCH 4 HU 6 6369
LAING CAROL LOUISE 4094 MARCIL AVE MONTREAL QUE	B A 1 HU 6 1461
LAING ROBERT DONALD 7531 MOLSON ST MONTREAL 38 QUE	B A 3 RA 7 7395
LAIRD FITZ ROY 3493 SHUTER ST MTL ABERDEEN JAMAICA W I	B COM 4 VI 9 8914
LAISHLEY EDWARD JAMES BOX 48 MACDONALD COLLEGE 400 MCLEOD ST OTTAWA ONT	M SC 2
LAJOIE JEAN 10202 BERRI ST MONTREAL QUE	PH D 2 DU 8 0371
LAKATOS THOMAS GEORGE 4945 KING EDWARD AVE MONTREAL QUE	B ENG EL 5 HU 8 7775
LAKE CATHERINE ANNETTE ROYAL VICTORIA COLLEGE GREENLANDS ST KITTS BRITISH WEST INDIES	B SC 3
LAKE ROBIN 546 MILTON ST APT 2 MONTREAL QUE	B A 2
LAKE WILLIAM JOHN B WILSON HALL FOLEY LODGE HIGH GARRETT BRAINTREE ESSEX ENGLAND	B ENG 2 VI 4 0624
LAKOFF ROBERT STEPHEN 711 HARTLAND AVE MONTREAL 8 QUE	B SC 2 RE 8 9297
LALLA NICHOLAS CARMINE 964 MELROSE AVE MONTREAL 28 QUE	B ENG CIV 3 HU 8 4663
LALONDE MARIE CLAIRE D ROYAL VICTORIA COLLEGE 718 PARKDALE OTTAWA ONT	B SC P OT 2 VI 9 0858
LAM ANTHONY K 3609 HUTCHISON ST APT 22 17 CAROLINE HILL RD 3RD FL HONG KONG	MD CM 3 VI 4 5229
LAMB JUDITH MARGARET 49 BROCK AVE N MONTREAL WEST QUE	B A 3 HU 4 0922
LAMB SILVIA EILEEN 3445 STANLEY APT 6 MONTREAL 2 QUE	PH D 1 VI 9 6937
LAMBERT DIXI KATHLEEN 6 BRAESIDE PL MONTREAL 6 QUE	B A 1 WE 2 9650
LAMBERT GOULDING 6 BRAESIDE PLACE WESTMOUNT QUE	B SC 2 WE 2 9650
LAMBERT WILLIAM JOHN 475 PINE AVE W MTL R R 1 WELLANDPORT ONT	D D S 1 VI 4 9270
LAMBROU CHRISTOPHER JOHN 4810 BOURRET APT 306 MONTREAL QUE	M S W 1 RE 9 6726
LAMER MARJOLAINE 1280 ST LOUIS ST LACHINE QUE	B SC P OT 1 ME 4 3116
LAMONTAGNE JACQUES 2024 MCGILL COLLEGE AVE APT 10 MTL RUE DE LA CASCADE SACRE COEUR RIMOUSKI QUE	B ENG EL 5 AV 8 8367
LAMOREUX FREDERICK HOLMES 426 SHERBROOKE ST W APT 5 MTL STE MARGUERITE STN CO TERREBONNE QUE	B COM 1 VI 9 6588 CA 8 2498
LAMOTHE JACQUES ANDRE 348 LEGAULT ST STE ANNE DE BELLEVUE QUE	B SC AGR 1 GL 3 4322
LAMOUREUX IVAN 270 ST LAURENT LONGUEUIL QUE	B ENG EL 5 OR 4 6544
LAMOUREUX JACQUELINE C 544 BEACONSFIELD BLVD BEAUREPAIRE QUE	B A 1 OX 5 6172
LAMOUREUX PIERRE MARC 41 YOVVINNE BLVD CHATEAUGUAY QUE	B ENG 1
LAMPERT HARRIET ILANA ROYAL VICTORIA COLLEGE 340 CLARKE AVE CORNWALL ONT	B A 1 VI 9 0030
LAMPLOUGH JENNIFER GAIL 478 COTE ST ANTOINE RD WESTMOUNT QUE	B A 2 WE 2 6574
LANAIL MIRIAM MACDONALD COLLEGE 4027 MACKENZIE ST MONTREAL QUE	3 TCHRS 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LAND ANN L 6092 SOMERLED AVE MONTREAL 29 QUE	B SC P OT 3 HU 1 5951
LAND JANET SYLVIA 1009SHERBROOKE ST W 65 WHITNEY AVE SYDNEY N S	B A 2 VI 4 0426
LAND ROBERT LARS BRITTAIN HALL 6092 SOMERLED MONTREAL QUE	B SC AGR 4
LAND VITA JOYCE ROYAL VICTORIA COLLEGE 65 WHITNEY AVE SYDNEY N S	B SC 4 VI 2 0477
LANDA ARTHUR 2120 GOYER ST MONTREAL QUE	B A 1 RE 3 3482
LANDAU REMY 1070 LAJOIE AVE APT 14 OUTREMONT QUE	B ENG 1 CR 9 6258
LANDE RUTH HELEN 4383 WESTMOUNT AVE WESTMOUNT QUE	B A 1 HU 1 7897
LANDER PHILIP HOWARD F 6315 LENNOX AVE MONTREAL 6 QUE	B SC 3 RE 8 9208
LANDRY PETER CORY 173 MORRISON AVE TOWN OF MT ROYAL QUE	M SC 2 RE 3 5666
LANDS ANITA 5552 SNOWDON AVE MONTREAL QUE	B A 2 HU 1 1530
LANE RAYNALD ALLAN 3621 LORNE CRES MTL 149 WARNER ST MARIETTA OHIO USA	MD CM 4 VI 4 6086
LANG BRENDA JANE 358 CURZON AVE ST LAMBERT QUE	B A 3 OR 1 9794
LANG CELIA MARGUERITE 4373 MONTROSE AVE WESTMOUNT QUE	B SC 2 WE 7 0686
LANG LINDA HAZEL 4554 STANLEY WEIR AVE MONTREAL QUE	B A 1 RE 8 2013
LANG ROBERT BURTON 5550 COTE ST LUC APT 21 BOX 92 HOWICK QUE	B SC 1 HU 8 5320
LANGEVIN RUNALD ANDREW L 668 SIXTH AVE VERDUN QUE	B A 2 PO 6 2854
LANGSAM HENRY 4854 ST URBAIN ST MONTREAL QUE	B ENG PHY 5 CR 7 1921
LANTHIER KAREN ANNE 33 SURREY DR MONTREAL 16 QUE	2 TCHRS 1 RE 1 1675
LAPA GEORGE C O GOLF CLUB LAVAL SUR LE LAC QUE	B ENG EL 4 NA 7 2643
LAPAN WILLIAM AMES 418 PINE AVE W APT 27 21 RIVERSIDE DRIVE SARANAC LAKE N Y USA	B SC 4 VI 5 2989
LAPENSEE JOSEPH F J 3579 SHUTER ST MTL PLANTAGENET ONT	B ENG CIV 4 VI 5 1777
LAPIERRE ALLAN 1051 VALIQUETTE MONTREAL QUE	B ENG 1 PO 7 6706
LAPIERRE MARIE JEANNE 12286 NOTRE DAME E PTE AUX TREMBLES QUE	B C L 1 MI 5 0945
LAPLANTE CHARLOTTE T 5489 COTE ST ANTOINE RD MONTREAL 28 QUE	PH D 3 HU 6 9871
LAPLANTE MADELEINE C 5489 COTE ST ANTOINE RD MONTREAL QUE	B A 3 HU 6 9871
LAPLANTE MICHAEL PAUL 5489 COTE ST ANTOINE RD MONTREAL QUE	MD CM 3 HU 6 9871
LAQUIS GEORGE ANTHONY WILSON HALL 2 GOODWOOD AVE GOODWOOD PK PT CUPNURA TRINIDAD W I	B SC 1 VI 4 0624
LARGE GAIL ELIZABETH 1955 KILDARE RD MONTREAL QUE	B A 1 RE 7 4162
LARMAN ELLIOTT GERALD 6732A DE VIMY AVE MONTREAL QUE	M S W 1 RE 7 0760
LAROCQUE JOSEPH ANTHIME R 2142 CARTIER MONTREAL 24 QUE	B ENG 1 LA 4 6502
LAROCQUE WESLEY CLARE BRITTAIN HALL GLEN SUTTON QUE	AGR DIP 2 GL 3 1997
LAROSE PIERRE 8662 ST DENIS ST MONTREAL QUE	B ARCH 3 DO 8 3593
LARROW BARTLEY L 1581 MCGREGOR MTL MIDDLEBURY VT USA	D D S 2 WE 3 0803
LARSON JANE HELGA 1015 CREVIER ST ST LAURENT 9 QUE	B ED 2 RI 8 7515
LARSSON NILS KAGE 1520 MCGREGOR AVE APT 92 MONTREAL QUE	B ARCH 3 WE 3 7945
LARTEY BENJAMIN LARTEI BRITTAIN HALL MINISTRY OF EDUCATION P O BOX M 45 ACCRA GHANA	B SC AGR 3
LASALLE PIERRE 3547 HUTCHISON MONTREAL QUE	M SC 2
LASCHINGER JOAN ELIZABETH 29 SEVIGNY AVE DORVAL QUE	2 TCHRS 1 ME 1 8627
LASCHINGER JOHN GORDON 3474 HINGSTON AVE MONTREAL QUE	B SC 2 HU 6 1911
LASKEY WENDY ANNE 440 WALNUT AVE ST LAMBERT QUE	B SC 1
LASTER HERSH 6403 DE VIMY AVE MONTREAL QUE	B A 3 RE 9 0113
LASTER RUTH 6403 DE VIMY MONTREAL QUE	B A 2 RE 9 0113
LASZLO CHARLES ANDREW 2191 MAPLEWOOD APT 30 MONTREAL QUE	B ENG EL 5 RE 3 3419
LATIMER JOHN MARTIN 3450 ATWATER AVE MONTREAL QUE	B A 4 WE 5 6091
LATOUR ANNE HELEN 4820 WESTERN AVE WESTMOUNT 6 QUE	B SC 1 WE 7 1737
LATOUR ROBERT NORMAN 367 ELM AVE WSTMT 3 MONTROSE ST WORCESTER 10 MASS USA	D D S 4 WE 5 7360

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LATTARO VICTOR 10630 DE MARTIGNY ST MONTREAL 12 QUE	B ENG EL 4 DU 1 1709
LAU CHUI FU ARTHUR 375 PRINCE ARTHUR W MTL 84 JUNCTION RD 4TH FL KOWLOON HONG KONG	B ARCH 5 AV 8 9664
LAUCHLAN ROBERT LAWRENCE 3482 MCTAVISH ST MTL 212 PRINCE ST PETERBOROUGH ONT	M SC 1 VI 9 5965
LAUDADIO MARIO ORESTE 4407 FABRE ST MONTREAL QUE	B ENG CIV 3 LA 4 8150
LAUFER SAUL 8032 DE L EPEE AVE MONTREAL QUE	M S W 2 CR 4 1789
LAUR VELJO 5460 CORONATION AVE MONTREAL QUE	B ENG 2 HU 8 3433
LAURIA ANN 4635 CLANRANALD MONTREAL QUE	B SC 2 HU 8 1941
LAURIN NORMAND 3553 DUROCHER ST APT 104 289 LOWLPRE ST ST JEROME QUE	B ENG 1
LAUSHWAY MARY T MACDONALD COLLEGE SPENCERVILLE ONT	B SC H EC 2
LAVALLEE PIERRE 110 BLVD DESAULNIERS ST LAMBERT QUE	B ENG EL 4 OR 1 0584
AVENTURE LINDA E ROYAL VICTORIA COLLEGE 99 CRESCENT RD TORONTO ONT	B A 3 VI 2 0180
AVIGNE ERNEST 1201 ALLARD AVE VERDUN QUE	B ENG 2 PO 7 7736
AVOIE ALLAN JOHN 3683 JEANNE MANCE MONTREAL QUE	B COM 1 VI 9 5809
AVOIE JEAN C 69 MAPLEWOOD AVE MONTREAL QUE	B ENG PHY 4 CR 6 9395
AW FAI HOP 3438 DUROCHER ST APT 1 186 FA YUEN ST 6TH FL KOWLOON HONG KONG	B ARCH 3 VI 4 0415
AW SHIU WAI 3512 SHUTER ST MTL 107 GLOUCESTER RD 3RD FL WANCHAI HONG KONG	B ENG AM 3
AWE VIRGINIA ANNE 4181 KENSINGTON AVE MONTREAL 28 QUE	B SC 2 HU 1 5137
AWETZ HERMAN 5166 DUROCHER ST MONTREAL 8 QUE	B ENG EL 3 CR 2 1355
AWETZ VICTOR 5166 DUROCHER AVE MONTREAL QUE	B SC 1 CR 2 1355
AWLOR HENRY JAMES WILSON HALL 104 POND ST WESTWOOD MASS USA	B SC 2
AWRENCE BRIAN ROGER 3508 UNIVERSITY ST MTL 5 MAYFIELD RD BOURNEMOUTH ENGLAND	B ENG MCH 4 VI 5 4873
AWSON ALEXANDER 3508 UNIVERSITY ST MTL UNITED CHURCH MANSE RUNDEL QUE	PARTIAL

NAME ADDRESS	COURSE & YEAR TEL. NO.
LAWSON KEITH ALEXANDER 3790 ROYAL AVE MTL 76 HIGHLAND CRES GALT ONT	B ARCH 2 HU 4 5231
LAWSON MARY GERTRUDE 37 CHURCH HILL WESTMOUNT 6 QUE	B ED PED 4 WE 5 5747
LAWSON NELSON ERNEST 61 BEVERLEY AVE TOWN OF MT ROYAL QUE	B SC 2 RE 8 8697
LAWSON NORMAN CAMERON 20826 LAKESHORE RD BAIE D URFE QUE 17 DUMBUIE AVE DUMBARTON SCOTLAND	PH D 4 GL 3 2555
LAWSON RAY EVANS 37 CHURCH HILL WESTMOUNT QUE	B SC 3 WE 5 5747
LAWSON ROBERT DAVID F 1225 OSBORNE AVE VERDUN QUE	B ENG 1 PO 8 4159
LAWSON WILLIAM M DOUGLAS HALL AYLMER RD R R 1 HULL QUE	B SC 3
LAXER JOSEPH ABRAHAM 3754 KENT AVE MONTREAL QUE	B SC 1 RE 7 5356
LAYCOB LELAND MICHAEL 3483 PEEL ST MTL 6 TERRYLANE LADUE 24 MO USA	B SC 1 VI 2 0882
LAYTON MICHAEL V 4790 COTE DES NEIGES OUTREMONT QUE	B ENG 1 RE 3 5436
LAZANIK NORMAN SAUL 1672 HARTENSTEIN ST MONTREAL 9 QUE	B A 1 RI 7 5836
LAZAR IRVING 2720 BEDFORD RD APT 2 MONTREAL QUE	B SC 3
LAZAR MARION 4300 WESTERN AVE APT 504 WESTMOUNT QUE	B A 3 WE 2 0722
LAZAR MARTIN LEWIS 4815 ISABELLA AVE MONTREAL QUE	B SC 3 RE 9 3898
LAZARE MARK 5570 LAVOIE ST MONTREAL 26 QUE	D D S 1 RE 8 8060
LAZARE SHARON ANNE 5570 LAVOIE MONTREAL QUE	B SC 2 RE 8 8060
LAZARUS MITCHELL BERNARD 5465 EARNSCLIFFE AVE MONTREAL 29 QUE	B ENG 2 HU 1 9377
LAZARUS MORDEN 5606 BORDEN ST COTE ST LUC QUE	B A 3 HU 8 7117
LEACH RICHARD KENNETH 37 PARKSIDE ST MONTREAL WEST QUE	B SC 1 HU 4 4011
LEADBETTER RONALD ALLAN 10 WINCHESTER AVE WESTMOUNT QUE	B A 2 HU 6 0619
LEATHEM PATRICIA ANN 21 FRANKLIN AVE TOWN OF MT ROYAL QUE	B A 3
LE BARON JOHN FRANCIS 3653 UNIVERSITY ST MTL 300 HOWARD AVE SHERBROOKE QUE	B A 2 VI 2 2073

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LEBEL ROLAND GUY 3592 ST FAMILLE ST MTL 50 EMMERSON ST EDMUNDSTON N B	PH D 3 VI 9 6221
LEBENSOLD PETER LEONARD 3160 RAMEZAY PLACE MONTREAL 6 QUE	B SC 2 WE 2 0119
LEBLANC CAROL MILLICENT M LAIRD HALL 265 UNION BLVD ST LAMBERT QUE	B ED 2
LE BLANC JOSEPH PATRIC Y 10020 VERVILLE ST MONTREAL QUE	B ENG CIV 4 DU 1 3273
LE BLANC PAULINE CECILIA 3466 SHUTER ST MTL 159 ST GEORGE ST MONCTON N B	GRAD DIP 1
LEBLANC RUTHARDEN B ROYAL VICTORIA COLLEGE 32 PRINCE ARTHUR ST AMHERST N S	MUS B 2 VI 2 0113
LEBLOND PAUL QUEEN MARY VETERANS HOSP CHICOUTIMI QUE	B SC 4 RE 9 0046
LEBLOND PAUL NOEL 68 CHESTERFIELD AVE WESTMOUNT QUE	B SC 3 HU 6 4837
LEBOVITZ MARTIN GERALD 564 GROSVENOR AVE MONTREAL QUE	B A 1 HU 6 9353
LEBOWITZ BARRY DAVID 538 PRINCE ARTHUR W 28 ABBOT ST DORCHESTER 24 MASS USA	B SC 2 VI 9 0674
LE BRETON DOREEN ELAINE ROYAL VICTORIA COLLEGE PASPEBIAC QUE	B SC 2 VI 2 0459
LECHTER EDWARD JOHN 621 CARLETON AVE WESTMOUNT QUE	B SC 1 HU 4 3251
LECKER BARBARA 5815 TRANS ISLAND AVE MONTREAL QUE	3 TCHRS 1 RE 8 9391
LECKER CHARLOTTE JOYCE 1600 DUTRISAC ST ST LAURENT QUE	B SC P OT 3 FE 4 6792
LECKER SIDNEY 4930 ST KEVINS APT 12 MONTREAL QUE	MD CM 3 RE 9 2140
LECKER STEPHEN 5815 TRANS ISLAND AVE MONTREAL 29 QUE	M S W 2 RE 8 9391
LECKIE NESSA 6875 LASALLE BLVD VERDUN QUE	B N 2 PO 6 0511
LECLAIR NANCY CAROLYN 107 ST ANDREW AVE BEAUREPAIRE QUE	2 TCHRS 1 OX 5 6569
LE CLERC WILBROD 3655 RIDGEWOOD AVE APT 405 MONTREAL 26 QUE	PH D 2 RE 8 7612
LECOMTE LUC DENIS 62 MANSEAU DRUMMONDVILLE QUE	B SC 1
LE CORNEC JOSEPH H A M LE BREGUERO REMUNGOL MORBIHAN FRANCE	B ENG EL 4
LECUYER PAUL RONALD DRAGON VIA RIGAAD CTE VAUDREUIL QUE	GRAD QUAL 1 BE 8 5203
LEDAIN SUSAN ELEANOR STEWART HALL 3325 DAWES ST LACHINE QUE	B ED 2
LEDDEN WILLIAM JOSEPH 3506 UNIVERSITY ST MTL 205 NORTH AVE W CRANFORD N J USA	B ENG 2
LEE ALICE 6247 DE VIMY AVE QUE BOX 584 GREENWOOD B C	GRAD DIP 1 RE 1 0166
LEE ANDREW JOHN BRITTAIN HALL CHELSEA QUE	B SC AGR 4
LEE BENEDICT HUK KUN 1441 DRUMMOND ST MTL 30 HILLWOOD RD GR FL KOWLOON HONG KONG	B ENG MEC 3
LEE BERNARD JOSEPH R O 1839 LINCOLN AVE APT 14 174 NATHAN RD 4TH FL KOWLOON HONG KONG	B ENG 2 WE 2 5309
LEE CLEMENT LEUNG KEY 3458 HUTCHISON ST MTL 33 TUNG LO WAN RD GR FL HONG KONG	B ENG CIV 3
LEE D ARCY ALEXANDER 3511 PEEL ST MTL 123 ABERCROMBY ST PORT OF SPAIN TRINIDAD W I	B SC 4 AV 8 4667
LEE DAVID K 72 MARIE ANNE ST W MTL 12 HOPEDALE AVE TORONTO 6 ONT	B ENG EL 4 VI 9 8557
LEE ERIC STANLEY 4455 DUPUIS AVE MTL 54 EAST QUEEN ST KINGSTON JAMAICA W I	B ENG 1
LEE HEM WING 3919 ST URBAIN ST MONTREAL QUE	B ENG MET 5 VI 4 8992
LEE HON SUN SPENCER DIOCESAN COLLEGE 72 CASTLE PEAK RD KNOLOON HONG KONG	B SC 4
LEE HOWARD CHONG 3919 ST URBAIN ST MTL 238 KING ST WINNIPEG 2 MAN	M ENG 1
LEE JAE PIL ROYAL VICTORIA HOSPITAL MONTREAL QUE	MED DIP 1 VI 2 1251
LEE JOHN YORK HON 3508 UNIVERSITY ST MTL 75 ROBINSON RD 3RD FLOOR HONG KONG	B SC 4 VI 4 0752
LEE JONATHAN KE PING 3590 CLARK ST MTL 436 CHATHAM RD 3RD FL KOWLOON HONG KONG	M SC 1 VI 9 7160
LEE LEVEN ROYAL VICTORIA COLLEGE 22A RUA DE S DOMINGAS MACAU BRAZIL	B SC 2 VI 2 0417
LEE LILIAN MIU YEE ROYAL VICTORIA COLLEGE 59 BLUE POOL RD 2ND FL HAPPY VALLEY HONG KONG	B SC 2
LEE SANG MAN 550 MILTON ST APT 12 MONTREAL QUE	PH D 4
LEE SIANG YANG JOSEPH 3552 SHUTER ST MTL C O MRS Y M LEE P O BOX 1503 G P O HONG KONG	B ENG CIV 4
LEE VIVIENNE MAY TAK WAI 1009 SHERBROOKE W MTL PENTHOUSE TOWER COURT HYSAN AVE HONG KONG	B A 3 VI 4 0426

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LEE YET CHEUNG 2100 MOREAU ST MONTREAL QUE	B SC 4 LA 1 9900
LEE YIK MING R 1441 DRUMMOND ST MTL P O BOX 5 SAN NICOLAS ARUBA N W I	B ENG EL 4 VI 9 4171
LEE RUFF EDWARD 3512 GREY AVE MONTREAL QUE	B SC 1 HU 6 6886
LEE SING RICHARD ALLAN 3525 SHUTER ST MTL W GRAND CHEMIN MORUGA TRINIDAD W I	B SC 2
LEET DIANNE MAE MACDONALD COLLEGE 5656 MCLYNN AVE MONTREAL QUE	3 TCHRS 1
LEFCOE MICHAEL STANLEY 4850 COTE ST LUC RD APT 29 MONTREAL QUE	B SC 3 HU 4 3184
LEFCORT ROBERT 250 KENSINGTON AVE APT 503 WESTMOUNT QUE	B C L 1 WE 7 5961
LEFEBVRE VINCENT F 5418 MONKLAND AVE MONTREAL QUE	B C L 4 HU 6 4473
LEFRANCOIS JEAN CHARLES J 191 MAPLEWOOD OUTREMONT QUE	B C L 2 CR 7 1691
LEGARE ADOLPHE MARCEL 382 GROSVENOR AVE WESTMOUNT QUE	M SC 1 HU 1 5869
LEGARE JEAN MARC 4192 GIROUARD MONTREAL QUE	PARTIAL HU 8 1172
LEGAULT PIERRE ROBERT L 1668 STE ANNE STE ANNE DE BELLEVUE QUE	B SC AGR 1 GL 3 2664
LEGER LAWRENCE ARTHUR 673 WESTCHESTER DR BAIE DURFE QUE	B SC 2 GL 3 5293
LEGER MICHAEL ANTHONY P 12165 GILLES HOCQUART CARTIERVILLE QUE	B ENG 2 FE 4 6194
LEGG JON CASIMIR 162 BEDBROOKE AVE MONTREAL WEST QUE	B ENG AM 5 HU 8 5804
LEGGE ALBERT BOYD MACDONALD COLLEGE CARTYVILLE NFLD	B SC AGR 3
LEGGE ROBERT JAMES B 3651 OXENDEN AVE MTL RUA FLORENCIO DE ABREU 438 CAIXA POSTAL 1546 SAO PAULO BRAZIL	B ENG 2 VI 5 3538
LEGGETT NORMAN DALE 5277 BYRON AVE MONTREAL 29 QUE	B ENG CIV 3 HU 4 2792
LEGHARI MOHD IQBAL L 3430 DRUMMOND ST RM 12 VILL RAHIMABAD RLY ST SADIKABAD BAHAWAL PUR DIV W PAKISTAN	B SC 4 VI 9 4418
LE GRAND WINSTON LLOYD 3455 STANLEY ST APT 403 PASPEBIAC BONAVENTURE CO QUE	B ENG 2 VI 4 6805
LE GRAS FRANCOIS HENRI 3508 UNIVERSITY ST MTL 201 RACHAEL AVE OTTAWA 1 ONT	B D 3 VI 5 4873

NAME ADDRESS	COURSE & YEAR TEL. NO.
LEHMANN MARC MICHEL 527 FONTAINE BLEAU JACQUES CARTIER QUE	B ENG EL 3 OR 4 1087
LEHOTAY EMESE MARY 4331 DRAPER ST MONTREAL QUE	B A 1 HU 1 6750
LEHRER HAROLD 2040 SCOTT ST LAURENT QUE	B SC 1 RI 7 3619
LEHTO JOHN R 3626 LORNE CRES MTL 21 MCMASTER AVE TORONTO ONT	B ENG MI 5
LEIBOVITCH JOSEPH 1388 ELIZABETH BLVD ST MARTIN QUE	H S D DIP 1 MU 1 3709
LEIFFER CAROLE LOTTE MACDONALD COLLEGE 6254 DE VIMY AVE MONTREAL 8 QUE	B ED 1
LEIGH DAVID 52 JASPER RD BEACONSFIELD QUE	M S W 1 OX 5 9593
LEIGH GEORGE 1690 NORWAY RD TOWN OF MT ROYAL QUE	B C L 3 RE 1 2580
LEIGHTON HENRY GEORGE 864 DOLLARD AVE OUTREMONT QUE	B SC 4 CR 1 9107
LEIPER CAROL IRENE 3480 ONTARIO AVE MTL 3475 ASH ST VANCOUVER 9 B C	B SC P OT 3 VI 2 0044
LEIS HEINO 1749 BALMORAL ST LAFLECHE QUE	B SC 1 OR 6 3348
LEITASS RUTA 644 35TH AVE LASALLE QUE	B SC 4 DO 6 5095
LEITER LYNDA MACDONALD COLLEGE 5893 DOLBEAU MONTREAL QUE	2 TCHRS 1
LEITH DONALD ROBERT 145 51ST AVE LACHINE QUE	D D S 4 ME 7 7470
LEITHMAN SIDNEY HARRY 4139 DE BULLION ST MONTREAL QUE	B C L 4 AV 8 2350
LEKAS HELEN BARBARA MACDONALD COLLEGE 2675 JEANNE D ARC AVE MONTREAL 4 QUE	B ED 2
LELENGBOTO ANNA CHRISTINA 1266 PINE AVE W MTL PADJADJARAN 60 BANDUNG INDONESIA	GRAD DIP 1 VI 4 6311
LEMARQUAND ARTHUR 294 SHERBROOKE ST W MONTREAL QUE	B C L 2 VI 9 0001
LEMAY RENE MACDONALD COLLEGE STE ANNE DE LA POCATIERE QUEBEC	AGR DIP 1 GL 3 1828
LEMBERG REIN 3485 WESTMORE AVE MONTREAL 28 QUE	B ENG 1 HU 4 8078
LEMCOVITCH MARK 6905 VICTORIA AVE APT 12 MONTREAL 26 QUE	B A 2 RE 8 5446
LEMCOVITZ ROSLYN 336 ST CATHERINE RD MONTREAL QUE	B A 3 CR 7 9947

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LEMIEUX ANDRE JEAN ROBERT 5200 ROI RENE BLVD VILLE D ANJOU QUE	MED DIP 1 CL 5 4257
LEMIEUX MARCEL 6207 LACORDAIRE MONTREAL QUE	MED DIP 3 CL 6 3708
LEMMEX CHARLES W 3485 MCTAVISH ST MTL 88 MAIN ST SMITHS FALLS ONT	B ENG CH 3
LEMOINE ANTHONY G 3875 RAMEZAY RD MONTREAL 6 QUE	B ENG 2 WE 3 5181
LENGER JACK BERNARD A 4669 ST DOMINIQUE ST MONTREAL QUE	B ENG 1 VI 5 5331
LENGYEL ALEXANDER STEVEN 4798 VICTORIA AVE MONTREAL QUE	B ENG 1 HU 9 4482
LENNIE CLARA MAY 89 5TH AVE YORKTON SASK	B N 2
LENTGIS CORINNE ELIZABETH 5933 DOLBEAU MONTREAL QUE	B A 2 RE 9 4476
LENTGIS EVANGELINE 5933 DOLBEAU ST MONTREAL QUE	B A 4 RE 9 4476
LEOPOLD DOUGLAS MAXWELL 4730 MERIDIAN AVE MONTREAL QUE	B A 1 HU 8 4040
LEPAGE ANTOINE JOSEPH 3465 RIDGEWOOD AVE APT 104 MONTREAL QUE	MED DIP 2 RE 3 9000
LERMER GEORGE 5573 ALPINE AVE COTE ST LUC QUE	M A 1 HU 4 7274
LERNER EARL 4865 FULTON AVE MONTREAL QUE	D D S 2 RE 8 1673
LERNER FRED P 582 COTE ST ANTOINE RD WESTMOUNT QUE	B ARCH 3 HU 6 4023
LERNER JOEL DAVID DOUGLAS HALL 2 HYDE PARK GARDENS LONDON W 1 ENGLAND	B A 1
LERNER SHIRLEY 4927 CARLTON AVE MONTREAL QUE	B SC P OT 3 RE 9 2763
LEROUX CLAUDE 3555 JEANNE MANCE APT 11 BOX 261 ALEXANDRIA ONT	B ENG CIV 3
LEROUX FRANCINE 378 CARLYLE MONTREAL QUE	B ARCH 3 RE 8 8971
LEROUX PIERRE GEORGE 2525 SHERBROOKE ST E APT 15 MONTREAL QUE	B ENG MCH 4 LA 6 5872
LEROUX RENEE 3557 STE FAMILLE MTL 19 BIS AVE DE FRANCE RABAT MOROCCO	B SC 2 VI 5 8394
LEROY SANDRA ELAINE STEWART HALL ST EUGENE ONT	B SC H EC 1
LESLIE IAN OGILVY 509 CLARKE AVE WESTMOUNT QUE	B ENG MET 4 WE 2 7989
L ESPERANCE JEAN LAWRENCE 1071 BLEURY ST MTL R R 1 MOHAWK RD ANCASTER ONT	M A 2 UN 1 8623

NAME ADDRESS	COURSE & YEAR TEL. NO.
LESPERANCE RICHARD R 7690 LOUIS HEBERT ST MONTREAL QUE	MD CM 3 RA 7 4163
LESSARD HEATHER ANNE STEWART HALL P O BOX 164 GRENVILLE QUE	2 TCHRS 1
LESSARD LEONA JANE ROYAL VICTORIA COLLEGE 42 WILSON ST LENNOXVILLE QUE	B SC 2 VI 2 0847
LEUNG ALBERT KAM YING 3610 DUROCHER APT 12A 60 VILLAGE RD 1ST FL HAPPY VALLEY HONG KONG	MD CM 2 VI 9 5035
LEUNG KWOK SUI 1839 LINCOLN AVE APT 14 1 PEACE AVE 1ST FLOOR KOWLOON HONG KONG	B SC 2
LEUNG YIM 3486 JEANNE MANCE MTL 28 GILMAN BAZAAR HONG KONG CHINA	B ENG PHY 3
LEUS HEIDI M 342 BROOKFIELD AVE MONTREAL 16 QUE	B A 1 RE 8 8579
LEUTHOLD SHIRLEY ALMA 165 MORRISON AVE TOWN OF MT ROYAL QUE	B COM 1 RE 8 9359
LEVENSON HARVEY 2445 ST LOUIS MONTREAL QUE	B COM 1 RI 4 2351
LEVINE ARTHUR 174 SHERATON DR MONTREAL WEST QUE	B ENG EL 5 HU 9 6855
LEVINE BARBARA RHONA 4847 JEAN BRILLANT MONTREAL QUE	B A 1 RE 1 1482
LEVINE DAVID ZELIG 4896 FULTON ST MONTREAL QUE	MD CM 2 RE 1 5702
LEVINE DOROTHY JOY 672 CAVEN CIRCLE ST LAURENT QUE	B A 2 RI 8 7483
LEVINE ELEANOR 3210 KENT AVE MONTREAL 26 QUE	B SC P OT 3 RE 9 0202
LEVINE FRANCES LOUISE ROYAL VICTORIA COLLEGE 247 ST GEORGE ST MONCTON N B	B SC 1 VI 9 0030
LEVINE GERALD JERRY 1130 MILLER AVE ST MARTIN QUE	B SC 3 MU 1 6190
LEVINE GLORIA 174 SHERATON DR MONTREAL QUE	3 TCHRS 1 HU 9 6855
LEVINE JUDITH 636 ALGONQUIN AVE TOWN OF MT ROYAL QUE	B A 2 RE 8 5049
LEVINE MARK ARNOLD 642 LANSDOWNE WESTMOUNT QUE	B COM 1 HU 4 9608
LEVINE MARTIN DAVID 1130 MILLER AVE ST MARTIN QUE	M ENG 1 MU 1 6190
LEVINE NORMA 672 CAVEN CIRCLE ST LAURENT QUE	B A 1 RI 8 2483
LEVINE SAUL 595 BRUNET ST ST LAURENT QUE	MD CM 2 RI 7 5054
LEVINE STEPHEN LESLIE 917 DAVAAR AVE MONTREAL QUE	B COM 1 CR 9 9354

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
LEVINSON JUDITH MARCIA 5567 GLENCREST AVE COTE ST LUC QUE	HU 4 6291	B A 2
LEVITT AARON 5436 HUTCHISON ST OUTREMONT QUE	CR 7 8983	B A 3
LEVITT BARRY KALMAN 3793 MACKENZIE ST MONTREAL 26 QUE	RE 7 5109	B ENG 1
LEVITT MARILYN P 47 FORDEN CRES WESTMOUNT QUE	HU 4 1517	B A 1
LEVITT MARTIN AARON 5263 KING EDWARD MONTREAL QUE	HU 4 5879	B SC 1
LEVY ERIC MARK 3473 SHUTER ST MTL P O BOX 326 LUNENBURG N S		PH D 3
LEVY GEORGE SAMUEL 5441 ESPLANADE MONTREAL QUE	CR 4 6843	B SC 1
LEVY LEONARD 4750 DUPUIS AVE MONTREAL QUE	RE 3 8492	B SC 2
LEVY MORTIMER 1582 DUCHARME AVE OUTREMONT QUE	CR 6 5671	MD CM 4
LEVY NORMAN 4810 BOURRET APT 204 MONTREAL QUE	RE 9 6026	B C L 2
LEVY ROBERT 4750 DUPUIS AVE APT F3 MONTREAL QUE	RE 3 8492	M SC 1
LEVY STEPHEN 690 ABERDEEN AVE WESTMOUNT QUE	HU 1 5035	B A 4
LEVY THOMAS ALLEN 5386 WAVERLY ST MONTREAL QUE	CR 9 5157	B A 3
LEWANDOWSKI ROBERT LOUIS 2740 SHERBROOKE ST E MONTREAL QUE	LA 4 1777	B SC 2
LEWINSKY HILDEGARD L 4129 WESTERN AVE APT 9 WESTMOUNT QUE	WE 7 0583	B SC P OT 3
LEWIS ANNE CARTER LIVINGSTON HALL MTL GEN 275 HEMLOCK ST TIMMINS ONT	WE 7 6011	B SC N 5
LEWIS ELIZABETH JANE STEWART HALL COTE ST CHARLES RD HUDSON HEIGHTS QUE	2 TCHRS	1
LEWIS LEW SOLOMON 4801 COTE ST CATHERIN RD MONTREAL 26 QUE		B A 2
LEWIS NOEL MARGUERITE 3583 DUROCHER ST APT 13 158 WATERLOO ST GEORGETOWN BR GUIANA	VI 9 3150	M A 2
LEWIS OWEN KEITH MCDONALD 2840 DARLINGTON PL APT 2 NEW HOPE LITTLE LONDON JAMAICA W I		B SC 1
LEWIS ROBIN TANNOCK 312 METCALFE AVE WESTMOUNT QUE	WE 3 9745	B A 2
LEWIS THOMAS YEATES 26 WILLOW AVE WESTMOUNT QUE	HU 6 0243	B ENG 1
LEWIS VIRGINIA 312 METCALFE AVE WESTMOUNT QUE	WE 3 9745	B A 3
LEWTHWAITE LESLIE A 555 SHERBROOKE ST W MTL BOX 160 EMERSON MAN	VI 2 0334	B SC P OT 3
LEZNOFF CLIFFORD CLARK 370 WISEMAN AVE MONTREAL QUE	CR 9 5817	B SC 4
LI CHOI KWAN MABEL STEWART HALL MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	GL 3 1919	B SC AGR 3
LI MANDY MAN HAR ROYAL VICTORIA COLLEGE 12 LI SING ST 2ST FLOOR HONG KONG	VI 2 0847	B SC 3
LI MING WAH WILSON HALL 5A KAI YUEN TERRACE KINGS RD HONG KONG		B SC 1
LI SAMUEL YAT KIN 4058 CLARK ST MTL 18 633 CANTON RD 2ND FLOOR KOWLOON HONG KONG		B SC 3
LI VINCENT KUI DICK 3511 HUTCHISON ST MTL 12 LI SING ST 1ST FL HONG KONG	VI 4 1816	B ENG CIV 4
LI WING TUCK 3715 JEANNE MANCE MTL 16 JUPITER ST 3RD FL N P HONG KONG	VI 4 5540	B ENG EL 4
LIAKAKOS ARTEMIS ROYAL VICTORIA COLLEGE 141 WENTWORTH ST ST JOHN N B	VI 2 0477	B SC 4
LIBMAN LOUIS 11870 PHILIPPE HEBERT MONTREAL QUE	FE 4 3305	D D S 2
LIDDELL MARJORIE LORETTA 5961 COTE ST ANTOINE RD MONTREAL QUE	HU 9 2011	M S W 1
LIEBERMAN WILLIAM BILL 4637 COTE ST CATHERINE MONTREAL 26 QUE	RE 8 3405	B ENG 1
LIEBERT EDWARD ANTONY 3456 NORTHCLIFFE AVE MTL HARBURN HOUSE ITCHENOR NR CHICHESTER SUSSEX ENGLAND		B COM 2
LIEBERT JOHN ARTHUR 456 PINE AVE W APT 28 6155 BAY RIDGE MILWAUKEE 17 WIS USA	VI 9 0284	MD CM 2
LIEBICH IRENE 1774 CEDAR AVE MONTREAL 25 QUE	WE 7 1341	M S W 1
LIEBLICH MIRIAM 574 KENASTON AVE TOWN OF MT ROYAL QUE	RE 3 3650	B A 1
LIGHT BRUCE ALAN 218 MAPLEWOOD AVE MONTREAL 8 QUE	CR 2 8077	B SC 1
LIGHT MARILYN HEATHER S 116 FIELDFAIR AVE BEAUREPAIRE QUE	OX 5 4369	B SC AGR 1
LIGHT MARVIN LAWRENCE 218 MAPLEWOOD OUTREMONT QUE	CR 2 8077	B SC 3
LIGHTHALL DOREEN SANDRA 605 TAIT AVE ST LAURENT QUE	RI 7 8277	H S D DIP 1
LIGHTSTONE MARILYN ISOBEL 4710 QUEEN MARY APT 6 MONTREAL QUE	RE 9 0187	B A 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LIKELY BARBARA ANN MCLENNAN HALL 46 CEDAR GROVE CRES ST JOHN N B	B SC P OT 2 VI 2 0044
LILLIE JOHN BARRY 146 DOUGLAS SHAND AVE PTE CLAIRE QUE	MD CM 4 OX 7 2755
LIMONARD THEUNIS P O BOX 28 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 3
LIMONCHIK MORRIS 3330 VAN HORNE AVE APT 3 MONTREAL QUE	B ED PED 4 RE 1 0902
LIMPERIS LIMPERIS 1247 CITY HALL AVE MONTREAL 18 QUE	B ENG CIV 3 UN 6 0797
LIN CHE SHUNG CARL 3501 PEEL ST APT 47 MTL 241 SECT 2 YUENG PING N RD TAIPEI FORMOSA	PH D 2
LIN SYLVIA JUNG PIN 418 PINE AVE W APT 16 EMPIRE COURT APT A 7 HYSAN AVE HONG KONG	MD CM 4 AV 8 8856
LINDSAY PETER FINDLAY 3816 DRAPER AVE MONTREAL QUE	B ENG MCH 3 HU 6 9469
LING FAT LAM 3501 PEEL ST MTL 14 FLEMING RD HONG KONG	B SC 2
LINGLEY MARY LOU MCLENNAN HALL 169 SUNSET DR LANCASTER N B	B SC P OT 3 VI 9 0580
LINKE PETER 425 MONT ROYAL AVE W MTL 277 DUNDAS ST E TORONTO ONT	B ENG 2 CR 4 7681
LIPFELD GILBERT 4564 OLD ORCHARD AVE MONTREAL QUE	B ENG 1 HU 4 5463
LIPPER CHARLES RALPH 490 STRATHCONA AVE WESTMOUNT QUE	B A 4 WE 3 9918
LIPPER JOHN STEPHEN 490 STRATHCONA AVE WESTMOUNT QUE	B A 2 WE 3 9818
LISAK THEA 5322 KENMORE PL MONTREAL QUE	3 TCHRS 1 RE 9 1031
LISCIEWICZ ADAM ALEXANDER 353 OLIVIER AVE WESTMOUNT QUE	B SC 2 WE 3 1934
LISLE DOUGLAS JAMES R 107 FIELDFARE AVE BEAUREPAIRE QUE	B SC AGR 2 OX 5 6902
LISOGURSKI JACK 777 QUERBES AVE OUTREMONT QUE	B SC 2 CR 1 1725
LISSER BARBARA JEANINE 18 DECASSON RD WESTMOUNT QUE	B A 1 WE 3 8592
LITHWICK RUTH VICKI 555 SHERBROOKE ST W MTL 357 SOMERSET ST E OTTAWA 2 ONT	B SC P OT 4 VI 2 0113
LITMAN ELIZABETH 7465 BLVD DE LACADIE MONTREAL QUE	B A 2 CR 1 8880
LITTLE JOHN MILTON 71 DEVON RD BAIE D URFEE QUE	MD CM 4 OX 7 4261
LITTLE JOHN ROBERT BRITTAIN HALL R R 2 MARKHAM ONT	B SC AGR 2
LITTLE SUSAN JANE 8175 BLOOMFIELD AVE MONTREAL QUE	B A 2 CR 2 5684
LITTLE WENDY MYRA 8175 BLOOMFIELD MONTREAL 15 QUE	B ED 3 CR 2 5684
LITTLE WINSTON ANTHONY F 4120 DUPUIS AVE APT 6 GLENGOFFE P O ST CATHERINE JAMAICA W I	B ENG 1 RE 9 6650
LITVACK BERNARD MILTON 5203 ISABELLA AVE MONTREAL QUE	B SC 2 HU 6 7874
LITVACK ROBERT STEPHEN 2420 MAJOR ST ST LAURENT QUE	B C L 1 RI 8 8960
LITWACK EMANUEL 5122 PATRICIA AVE MONTREAL 29 QUE	H S D DIP 1 HU 1 6686
LITWIN SANDRA RHONA 4635 OXFORD AVE MONTREAL QUE	B SC P OT 1 HU 4 6274
LITZ HENRY ANDREW RICHARD DOUGLAS HALL BOX 128 PRESQUE ISLE MAINE USA	B A 1
LIU CHU WAI 3568 HUTCHISON ST APT 1 7C CHATHAM GARDEN FLATS CHATHAM RD KOWLOON HONG KONG	B ENG 1
LIVING GRANT EDWARD MACDONALD COLLEGE P O BOX 14 BUCKINGHAM QUE	2 TCHRS 1
LJUNGBERG CARL HENRIK 3300 RIDGEWOOD APT 22 MONTREAL 26 QUE	B ENG MCH 5 RE 9 6717
LLOYD MICHAEL JOHN MTL DIOC THEO COLLEGE 26 ASHLING CRES BOURNEMOUTH HAMPSHIRE ENGLAND	B D 1 VI 9 1791
LLOYD THOMAS GORDON NEIL WILSON HALL	B A 2 VI 4 0624
LO AUGUSTUS KO 3634 ST FAMILLE MTL 30 JUNCTION RD KOWLOON HONG KONG	M ENG 1 VI 4 8984
LO EDMOND KAI WAI 514 PINE AVE W MTL 6 TAK HING ST KOWLOON HONG KONG	MD CM 2
LO JOSEPHINE WAI FONG 3463 PEEL ST APT 3 MTL 1015 KINGS RD 6TH FL HONG KONG	M S W 1 VI 9 0802
LO MEI CHIAU MONTREAL GENERAL HOSP MONTREAL 25 QUE	PH D 3 WE 7 6011
LO SUN YEE EDMOND 3538 HUTCHISON AVE APT 2 53 KING S RD 3RD FL HONG KONG	B SC 2 VI 9 0611
LO TING WA 3651 DUROCHER ST APT 16 397 HENNESSY RD 3RD FL HONG KONG	B ARCH 5
LOBBAN RUBY 3558 LORNE AVE APT 3 SPRING GARDEN ROCK SPRING P O JAMAICA W I	B A 3 AV 8 6518

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NAME ADDRESS	COURSE & YEAR TEL. NO.
LOCHEAD ELIZABETH ANN 4291 SHERBROOKE ST W MONTREAL QUE	GRAD DIP 1 WE 2 5628
LOCHEAD JOHN ALBERT 4291 SHERBROOKE ST W WESTMOUNT QUE	MD CM 2 WE 2 5628
LOCHHEAD DAVID MORGAN 66 STRATHEARN AVE MONTREAL WEST QUE	B D 2 HU 4 1576
LOCKWOOD THOMAS JAMES 4 PARKSIDE ST MONTREAL WEST QUE	B A 1
LOEWENHEIM JULIET 1 BELLEVUE AVE WESTMOUNT QUE	B SC 3 HU 8 7825
LOGIE RILLA WARD 700 MARLATT ST ST LAURENT QUE	B SC 2 RI 7 3801
LOHRENZ JOHN GEORGE 4451 HARVARD MONTREAL QUE	MED DIP 4 HU 8 6494
LOKEN OLAV HELGE 3455 COTE DES NEIGES APT 522 MONTREAL QUE	PH D 4 WE 2 5549
LOMBAO TUBILO 1850 LINCOLN AVE APT 602 MANUFACTURAS LOMBAD PLAZA DE CATIA 7 APT 882 CARACAS VENEZUELA	B COM 1 WE 5 9011
LONG ANDREW D 2076 SHERBROOKE W APT 16 MONTREAL QUE	M SC 1 WE 5 8038
LONGHURST MARK FRANKLIN 125 LINWOOD CRES MONTREAL QUE	B A 3 RE 3 2204
LONGSTAFF STEPHEN ALAN 475 PINE AVE MTL 70 RIVERWOOD PARKWAY TORONTO 18 ONT	B A 3 VI 4 4270
LONGTIN JEAN 820 CHERRIER ST MONTREAL QUE	B C L 4
LOO CHUN 1441 DRUMMOND ST 544 ST ANTOINE ST LA TUQUE QUE	B ENG EL 4 VI 9 4171
LORD GWENDOLINE VALERIE 7928 WAVELL RD MONTREAL 29 QUE	H S D DIP 1 HU 9 2962
LORD JOHN CAREY BRITTAIN HALL 331 WHIMBEY AVE ST LAMBERT QUE	P E DIP 1
LORD THOMAS DYSON 3581 UNIVERSITY ST MTL 331 WHIMBEY AVE ST LAMBERT QUE	B ENG 2 VI 9 1368
LOUIS DIANE ELLEN 551 ROSLYN AVE WESTMOUNT QUE	B A 1 HU 8 5848
LOUIZOS DEMETRIUS GEORGE 3610 DUROCHER ST APT 8 MONTREAL QUE	M ENG 2 VI 5 5630
LOUTHOOD ELIZABETH DONNA 5 WOODRIDGE CRES BEACONSFIELD QUE	B A 2 OX 5 5577
LOVE CHARLES HOBSON 3473 UNIVERSITY ST MTL 26 HERBERT ST NEW GLASGOW N S	PARTIAL VI 9 3004
LOVE GUNNLAUG 4525 KENSINGTON AVE MONTREAL 28 QUE	B A 1 HU 6 7485
LOVE MARGARET HEATHER STEWART HALL 633 BELMONT AVE WESTMOUNT QUE	2 TCHRS 2
LOVELL RICHARD ARLINGTON COLLEGE SAINTE MARIE 1180 BLEURY ST MONTREAL 2 QUE	PH D 2 UN 6 3611
LOVERING JUDITH 3553 DUROCHER ST APT 703 22 THORNWOOD RD TORONTO 5 ONT	GRAD DIP 1 VI 9 1490
LOVI ANTHONY OSCAR 6300 TRANS ISLAND AVE MONTREAL QUE	B ENG EL 4 RE 3 5949
LOW ERREAN KATHLEEN 4007 COTE DES NEIGES RD APT B MTL 709 ARDMORE ROAD WEST PALM BEACH FLA USA	B COM 3 WE 5 1712
LOWDEN JOHN ALEXANDER 7070 CHESTER AVE MONTREAL 29 QUE	GRAD QUAL 1 HU 9 0163
LOWE LAWRENCE EDWARD BOX 187 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 3 GL 3 5658
LUARD JOHN CHRISTOPHER E 490 PRINCE ARTHUR ST APT 5 MTL 646 FLAMINGO DR FORT LAUDERDALE FLA USA	B A 3
LUBBOCK ANN PATRICIA ROYAL VICTORIA COLLEGE MAINS OF FARWELL BRECHIR ANGUS SCOTLAND	B SC 1 VI 2 0826
LUBIN MARTIN 855 ROCKLAND AVE OUTREMONT QUE	B A 4 CR 7 8961
LUBINSKI FRANKLIN W 560 GLENGARRY TOWN OF MT ROYAL QUE	B A 1 RE 8 3019
LUBINSKY IRENE 5 EAST GATE WINNIPEG MAN	PH D 4
LUC CLAUDE DANIEL MACDONALD COLLEGE 1130 MAPLE AVE QUEBEC 6 QUE	2 TCHRS 2
LUCAS PETER PAUL 4655 BONAVISTA AVE MONTREAL 29 QUE	B SC 2 HU 4 6962
LUCIS INTA 5320 COCHRANE PL MONTREAL 29 QUE	B SC P OT 1 RE 3 6015
LUCIS OJARS JANIS 76 MONIQUE VILLE DE BROSSARD QUE	MD CM 4 OR 6 4004
LUDMER MINA 4934 LACOMBE AVE MONTREAL 29 QUE	B SC P OT 1 RE 8 0811
LUDWIG JOHN PAUL 3431 DRUMMOND ST MTL P O 445 DAN S HIGHWAY NEW CANAAN CONN USA	D D S 1
LUFF CHRISTOPHER 3653 UNIVERSITY ST MTL 1219 MAIN ST LYNNFIELD CENTRE MASS USA	PARTIAL VI 2 2073
LUI GORDON HOCK CHUNG 1617A BOUCHETTE MTL 3 VILLAGE TERR HAPPY VALLEY HONG KONG	B ENG EL 4 RE 1 7210

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
LUI PETER WOON TING 3436 JEANNE MANCE ST 111 BONHAM STRAND E HONG KONG	VI 4 0969	B ARCH 2
LUKE SUSAN JOSEPHINE BOX 280 HUDSON QUE	BE 6 5595	B A 3
LUKE TREVOR MACDONALD 4620 DECARIE BLVD APT 1 MONTREAL QUE	HU 9 0296	PH D 2
LUKER GILBERT WESLEY PRESBYTERIAN COLLEGE 92 BILLINGSGATE CRES AJAX ONT	VI 9 0141	B SC MDCM 2
LUM KAM MANKONG GEORGE 3592 DUROCHER ST MTL MAIN RD FYZABAD TRINIDAD T W I	VI 4 0359	D D S 4
LUM YUN FOO 3528 LORNE AVE MTL 6 JALAN 6 13 PETALING JAYA KUALA LUMPUR MALAYA		M ENG 1
LUNA BETTY ANTOINETTE 11246 103RD ST EDMONTON ALTA		B N 2
LUNN WILLIAM HENRY W 4140 COTE ST CATHERINE APT 5 MONTREAL 26 QUE	RE 7 9782	PH D 3
LUOMALA PENTTI OLAVI 1609 ST ANTOINE ST APT 1 MONTREAL 3 QUE	WE 3 8159	P E DIP 1
LUSSIER LUCILLE MARY G 4714 MONKLAND MONTREAL QUE	HU 1 5871	B SC 4
LUSTGARTEN JACK ABRAHAM 3561 LORNE AVE MONTREAL QUE	VI 4 8945	PH D 1
LUTTER TRINA 5675 MACDONALD MONTREAL QUE	RE 1 4409	B A 1
LUTYENS DEREK LIONEL P WILSON HALL 1A THE CLOSE WINCHESTER HANTS ENGLAND		B A 1
LUXTON GARY 1597A DUCHARME AVE MONTREAL 8 QUE	CR 7 1575	B SC 1
LYDON ROSEMARY EDITH 339 VICTORIA AVE APT 7 WESTMOUNT QUE	HU 6 7664	B L S 1
LYELL ALEXANDER PETER M 1585 MCGREGOR AVE MONTREAL 25 QUE	WE 7 0348	M ENG 1
LYMAN LUCINDA E 3238 CEDAR AVE WESTMOUNT QUE	WE 2 7913	B A 1
LYMAN PETER F E 9 WINSTON CIRCLE PTE CLAIRE QUE	OX 5 3628	B A 1
LYON JAMES TRAILL DOUGLAS HALL 4 CLIVE ST MARYFIELD DUNDEE SCOTLAND	VI 5 7355	L L M 1
LYON JOHN LEONE 4414 KING EDWARD AVE MONTREAL QUE	HU 1 2664	B ENG CH 4
LYONS TERRENCE CECIL 5810 JEANNE ST APT 7 MONTREAL QUE		B ENG 2
LYONS THOMAS CLARENCE 765 RICHARD AVE VERDUN QUE	PO 6 5374	B COM 4
LYSSAN EDWARD 2060 SHERBROOKE WEST 16 TASCHEREAU EAST ROUYN QUE	WE 7 8390	B COM 3
LYSTER DENISON FREDERICK DOUGLAS HALL ST FELIX DE KINGSEY QUE	VI 5 6798	B ENG 2

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
MA HECTOR TIN GING ROYAL VICTORIA HOSPITAL HONG KONG		MD CM 1
MA KWONG CHI 3511 LORNE AVE MTL 84 JAVA RD 1ST FL HONG KONG		B SC 1
MAC ALLISTER ELIZABETH L LAIRD HALL 3490 WESTMORE AVE MONTREAL 28 QUE		B ED 2
MACARTHUR GORDON BURSEY 3485 MCTAVISH ST MTL 62 HARBOR ST BRANFORD CONN USA	VI 9 0141	B ENG 1
MACAULEY IAN HAMISH 3637 UNIVERSITY ST MTL RYLSTONE HOUSE RYLSTONE SKIPTON YORKSHIRE ENGLAND	VI 9 1736	B COM 2
MACBETH JEAN MACDONALD COLLEGE 518 LECLAIRE AVE MONTREAL 4 QUE		2 TCHRS 1
MACCALLUM SHERRAN ELEANOR 136 BALLANTYNE AVE S MONTREAL WEST QUE		3 TCHRS 1
MACCARONE UMBERTO ANTONIO 3422 IBERVILLE ST MONTREAL 34 QUE	LA 6 0219	B SC 2
MACCONNELL HENRY MOXSOM BOX 82 MACDONALD COLLEGE MEADOWVILLE PICTOU CO N S	GL 3 5335	PH D 2
MACCREADY GEORGIA ROBERTA LAIRD HALL 42 CHURCH ST ST STEPHEN N B	GL 3 6301	H S D DIP 1
MACCRIMMON DUNCAN JAMES 1626 SELKIRK AVE MONTREAL QUE	WE 5 7093	MD CM 2
MACDONALD ANGUS LAURIE 697 ABERDEEN AVE MONTREAL 6 QUE	HU 1 6889	B A 2
MACDONALD ARCHIBALD D FOURCHU RICHMOND CO N S		B SC AGR 3
MACDONALD CAMERON GREGORY 4251 MARCIL AVE MONTREAL QUE	HU 8 3678	B SC 1
MACDONALD CYNTHIA SUSAN MACDONALD COLLEGE 6560 MONKLAND AVE APT 35 MONTREAL 28 QUE	HU 4 2090	HDICRAFTS 1
MACDONALD DIANNE ADELE 6560 MONKLAND AVE APT 35 MONTREAL 28 QUE	HU 4 2090	B SC 1
MACDONALD EDWARD ANGUS 6609 COTE ST LUC RD APT 309 MONTREAL 29 QUE	HU 9 7991	B ARCH 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MACDONALD FAYE ANNE MACDONALD COLLEGE 551 SYLVAIN ST THETFORD MINES QUE	3 TCHRS 1
MACDONALD PATRICIA ANNE ROYAL VICTORIA COLLEGE 45 DUNCAN ST HALIFAX N S	B SC P OT 2 VI 9 0858
MACDONALD RODERICK A 3468 DRUMMOND ST APT 103 MONTREAL 25 QUE	B SC 2 AV 8 4438
MACDOUGALL DIANA LUCY ROYAL VICTORIA COLLEGE 249 EAST 48TH ST NEW YORK 17 N Y USA	B A 2 VI 9 0858
MACDOUGALL MARIAN EDITH 9095 GOUIN BLVD W SARAGUAY QUE	B COM 4 FE 4 6855
MACDOUGALL REFORD EDMUND 3675 PEEL ST MTL 9080 GOUIN BLVD W SARAGUAY QUE	B A 3
MACDOWELL ANGUS JOHN 354 COTE ST ANTOINE RD MONTREAL 6 QUE	B ENG MCH 4 WE 7 2476
MACEACHERN JOHN ALEXANDER DOUGLAS HALL KLEINBURG ONT	B A 1
MACEDO LUIS STANLEY BRITTAIN HALL APT 766 AREQUIPA PERU S AMERICA	B SC AGR 4 GL 3 1828
MACEROLA YUAN ANTONIO 8011 ST BERARD ST MONTREAL QUE	B C L 4 CR 4 2338
MACEWEN DOUGLAS WILFRED 105 SUNNYSIDE AVE PTE CLAIRE QUE	B ENG EL 4 OX 5 9692
MACEWEN GLENN HILTON 105 SUNNYSIDE AVE PTE CLAIRE QUE	B ENG EL 4 OX 5 9692
MACFARLANE ANN ETHEL LAIRD HALL 29 MADAWASKA DR OTTAWA ONT	B SC H EC 4 GL 3 4263
MACFARLANE CAMERON IAN 3851 UNIVERSITY ST MTL BOX 343 BOURLAMAQUE QUE	B ENG CH 4 VI 9 6588
MACFARLANE JOHN K 64 FORDEN CRES WESTMOUNT QUE	MD CM 2 HU 1 5411
MACFARLANE MALCOLM R DOUGLAS HALL BOX 343 BOURLAMAQUE QUE	B SC 2
MACFARLANE ROBIN COCHRANE 108 KINDERSLEY AVE TOWN OF MT ROYAL QUE	B SC 1 RE 7 3721
MACFARLANE ROBERT E DOUGLAS HALL 2219 S SANTA ANITA DR ARCADIA CALIF USA	MD CM 4 VI 4 0977
MACGREGOR JEAN CORKUM 3466 SHUTER APT 109 MTL 3015 33RD ST S W CALGARY ALTA	GRAD DIP 1
MACGREGOR THOMAS GRANT 60 ST LOUIS AVE BEAUREPAIRE QUE	M A 1 OX 5 2342
MACINNES BARRY C B 504 LANSDOWNE AVE WESTMOUNT QUE	B COM 2 WE 7 3705
MACINNES NEIL JAMES 303 VICTORIA DR BAIE D URFE QUE	B SC AGR 1 GL 3 6412

NAME ADDRESS	COURSE & YEAR TEL. NO.
MACINTOSH BARBARA JEAN 145 WOLSELEY AVE MONTREAL WEST QUE	B SC 1 HU 1 7939
MACINTOSH JAMES A 456 PINE AVE W APT 20 MONTREAL QUE	MD CM 3 VI 9 8221
MACINTOSH MARY CHRISTINE 3477 SHUTER ST MTL 145 WOLSELEY AVE MONTREAL WEST QUE	MD CM 1
MACK HELEN ELIZABETH 2365 GRAND TRUNK MTL 3800 DECARIE BLVD APT 3 MONTREAL QUE	M S W 1 WE 2 6202
MACKAY DONALD GORDON 42 DUFFERIN RD HAMPSTEAD QUE	B SC 3 HU 6 3537
MACKAY GAEL MARGARET MACDONALD COLLEGE 99 ALLARD AVE DORVAL QUE	3 TCHRS 1
MACKAY GEORGE DAVID M 5040 BARCLAY AVE APT 6 MONTREAL 29 QUE	PH D 3 RE 9 7949
MACKAY ISABEL DOROTHY MACDONALD COLLEGE 236 CASTEL ST ARVIDA QUE	2 TCHRS 2
MACKAY JOHN KELVIN 3609 UNIVERSITY ST MTL 994 2ND AVE NIAGARA FALLS ONT	PH D 2 AV 8 6307
MACKAY NEILSON ANGUS 3508 DUROCHER ST MTL 29 SANDOWN RD GOODWOOD PARK PT CUMANA TRINIDAD W I	B ENG 2
MACKAY PETER ANDREW 3045 CEDAR AVE MONTREAL QUE	MD CM 2 WE 2 9060
MACKENZIE ALLAN 627 MILTON ST MTL 657 ST JOSEPH ST CHAMBLY BASSIN QUE	MD CM 1 VI 4 9680
MACKENZIE BRENDA E 27 WOLSELEY AVE S MONTREAL WEST QUE	B SC 4 HU 1 2989
MACKENZIE BRIAN WALLACE 3573 HUTCHISON AVE MTL 3933 WESTRIDGE AVE WEST VANCOUVER B C	B ENG MI 5
MACKENZIE DORIS JANE STEWART HALL R C O C SCHOOL STE THERESE QUE	2 TCHRS 1 GL 3 9005
MACKENZIE EVELYN D ROYAL VICTORIA COLLEGE 21 DALE AVE APT 144 TORONTO 5 ONT	B A 3 VI 2 0958
MACKENZIE JOSEPH JESSOP 7631 22ND AVE ST MICHEL QUE	2 TCHRS 2 RA 7 3240
MACKENZIE LORNA JEAN ROYAL VICTORIA COLLEGE 139 WATERLOO ST ST JOHN N B	B A 1 VI 2 0829
MACKIE DANIEL ARTHUR 2211 ST CATHERINE ST W APT 1 MONTREAL QUE	B ENG MCH 5 WE 5 1536
MACKIMMIE SHERRILL ANN 5171 WESTMORE AVE MONTREAL QUE	B SC 1 HU 1 5757
MAC KINNON JOY CHRISTINE 3480 ONTARIO AVE MTL BOX 560 KENTUILLE KINGS CO N S	B SC P OT 3 VI 4 0044

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
MACKINNON MARGARET JOAN ROYAL VICTORIA COLLEGE 51 INGLES ST HALIFAX N S	VI 2 0634	B A 4
MACKINTOSH GEORGE BRIAN 1895 ST GERMAIN ST LAURENT QUE	RI 4 2902	B ENG 1
MACLAGAN HOPE FOSS 43 50TH AVE LACHINE QUE	ME 7 8252	M A 2
MACLAINE MITCHELL DOUGLAS 3478 MCTAVISH ST MTL SEACREST WARWICK WEST BERMUDA	VI 2 7412	B A 4
MACLAREN GEORGE ROY 3512A LORNE AVE MTL BOX 149 BUCKINGHAM QUE	VI 9 7490	B A 4
MACLAREN HEATHER BELL ROYAL VICTORIA COLLEGE FERNWOOD FRANCKLYN ST HALIFAX N S	VI 9 0858	B A 3
MACLAREN WENDY BELL ROYAL VICTORIA COLLEGE FERNWOOD FRANCKLYN ST HALIFAX N S	VI 9 0858	B A 3
MACLEAN CECIL BERNARD 3484 PEEL ST MTL 78 CHURCH ST ANTIGONISH N S		MD CM 1
MACLEAN DAVID FRANK 80 KINGS RD VALOIS QUE	OX 7 1436	B SC 2
MACLEAN JOHN NIGEL DOUGLAS HALL T T INC POINTE A PIERRE TRINIDAD W I	VI 4 0977	B SC 3
MACLEAN JUDITH MARIAN 158 PORTLAND AVE TOWN OF MT ROYAL QUE	RE 1 3088	B A 4
MACLEAN MARGARET E 1009 SHERBROOKE ST W 12 BLANCHARD RD TORONTO 12 ONT	VI 4 0426	B SC 3
MACLEAN MORA BERYL 3415 CRESCENT ST APT 12 MONTREAL QUE		M A 2
MACLEAN SANDRA JANE ROYAL VICTORIA COLLEGE 11 NEPTUNE BLVD STRATHMORE QUE	VI 2 0597	B SC 1
MACLEAN SARA SALISBURY ROYAL VICTORIA COLLEGE 12 PINE HILL ROAD TORONTO ONT	VI 2 0833	B A 2
MACLELLAN ROBERT STANFORD 4390 GRAND BLVD APT 1 132 WINDERMERE AVE TORONTO ONT	HU 1 6540	D D S 4
MACLENNAN MARILYN E STEWART HALL GLEN SANDFIELD ONT		B SC H EC 1
MACLEOD ELLA BERNETTA P O BOX 444 ST JOHN N B		B N 2
MACLEOD FREDERICK DANIEL 3413 HUTCHISON ST MTL BOX 965 MALARTIC QUE	AV 8 3018	B ENG 1
MACLEOD HEATHER MARGARET ROYAL VICTORIA COLLEGE BOX 70 MASSON QUE	VI 2 0521	B SC 4
MACLEOD JAMES WILLIAM BRITTAIN HALL R R 3 BURY QUE	2 TCHRS	1
MACLEOD JOAN SHIRLEY 3522 STANLEY ST APT 506 604 YALE AVE RIVERVIEW HEIGHTS MONCTON N B		GRAD DIP 1
MACLEOD JOHN 3425 STANLEY ST MONTREAL QUE	VI 3 5089	B ENG MCH 5
MACLEOD JOHN CLARK BRITTAIN HALL BOX 22 DUNVEGAN ONT		B SC AGR 4
MACLEOD JOHN PETER DOUGLAS HALL 710 ALBERT AVE SASKATOON SASK		MD CM 1
MACLEOD PATRICIA R ROYAL VICTORIA COLLEGE P O BOX 446 11 SMERDON ST HAWKESBURY ONT	VI 2 0113	B SC 3
MACMILLAN DONALD EDWARD 4446 BEACONSFIELD AVE MONTREAL QUE	HU 9 2737	B ENG 1
MACMILLAN DONALD KENNETH 115 LONGMORE DR LAKESIDE PTE CLAIRE QUE	OX 5 3839	B A 2
MACMILLAN ELIZABETH A 135 LAZARD AVE MONTREAL 16 QUE	RE 7 4057	B A 3
MACMILLAN IAN MALCOLM 135 LAZARD AVE MONTREAL 16 QUE	RE 7 4057	B SC 1
MACMILLAN MARGARET JEAN 1260 REDPATH CRES MTL R R 1 BOX 52 ALEXANDRIA ONT	VI 2 1251	B N 2
MACMILLAN MARY IRENE 406 PINE AVE W APT 9 MTL NEW MILLS N B	VI 5 1858	GRAD DIP 1
MACMILLAN ROBBIN ELSPETH 779 OSBORNE AVE VERDUN QUE	PO 8 7855	B A 3
MACNEILAGE PETER FRANCIS 3643 UNIVERSITY ST MONTREAL QUE	VI 4 7673	PH D 3
MACPHERSON ALEXANDER S 3474 COTE DES NEIGES APT 28 MONTREAL QUE	WE 2 8714	MED DIP 4
MACPHERSON RODERICK IAN 4924 RANDALL AVE MONTREAL 29 QUE	HU 6 0832	MED DIP 1
MACPHERSON SHEENA M ROYAL VICTORIA COLLEGE 233 E 69TH ST APT 17N NEW YORK N Y USA	VI 9 0858	B A 2
MACRAE BEVERLEY GRACE MACDONALD COLLEGE 16 ARLINGTON AVE WESTMOUNT QUE		2 TCHRS 1
MACRAE KEITH BRUCE 275 32ND AVE LACHINE QUE	ME 7 0301	B ENG MCH 3
MACRAE MARY GWENDOLYN 28 BRUNET AVE PTE CLAIRE QUE	OX 5 2894	2 TCHRS 1
MACSWEEN DONALD JOHN A 6216 MONKLAND AVE MONTREAL 28 QUE	HU 6 5134	B C L 3
MACTAGGART DONALD JOHN 755 UPPER LANSDOWNE MONTREAL 6 QUE	HU 4 0434	B ENG EL 5

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MACTAGGART SHEILA BOND 755 UPPER LANSDOWNE AVE MONTREAL 6 QUE	B COM 2 HU 4 0434
MACVICAR ALEXANDER S ROYAL DIXIE APTS 472 BOURKE AVE APT 2C DORVAL QUE	MED DIP 1 ME 1 8622
MACVICAR RICHARD INGUS 480 BOURKE AVE APT 1A DORVAL QUE	B A 2 ME 1 3176
MACWILLIAM MARGARET D 2043 KILDARE RD TOWN OF MT ROYAL QUE	B A 1 RE 9 6258
MAGDER DAVID MICHAEL 597 LANSDOWNE AVE WESTMOUNT QUE	B SC 4 HU 6 8057
MAGEE ELEANOR EILEEN 4656 SHERBROOKE ST W APT 9 MONTREAL QUE	M L S 1 WE 2 1376
MAGGI RICHARD JOSEPH A A 5725 10TH AVE MONTREAL 36 QUE	B SC 2 RA 7 7759
MAGIDSON STANLEY 2377 BARCLAY AVE MONTREAL QUE	B A 1 RE 7 7005
MAGIL ROSALIE SHARON 4345 HINGSTON AVE MONTREAL QUE	B SC 2 HU 1 4216
MAGILL JANE ARDEN 1009 SHERBROOKE ST W 114 COPPER CLIFF RD CREIGHTON MINE ONT	B A 2 VI 4 0426
MAGISO REIN 5352 PARK AVE APT 42 46 KILLDEER CRES TORONTO 17 ONT	B ENG 1 CR 9 6142
MAGUIRE JOHN GORDON 19 ROBERT OUTREMONT QUE	MED DIP 3 RE 8 0733
MAHABIR HORACE CARLTON 2222 GUY ST APT 8 MT STEWART PRINCES TOWN TRINIDAD T W I	B A 2
MAHABIR RONALD 3485 SHUTER ST APT 4 MONTREAL QUE	M A 1 VI 2 0019
MAHABIR ROY NEVILLE 456 PINE W APT 35 MTL 8 COBLENTZ GARDENS ST ANNS PORT OF SPAIN TRINIDAD T W I	B ARCH 5 AV 8 0909
MAHAFFY DAVID FREDERICK 3514 HUTCHISON ST APT 2 MONTREAL 18 QUE	B SC 4 AV 8 0707
MAHEUX BR MAGLOIRE F S C 2075 PLESSIS ST MTL 2360 CHEMIN STE FOY QUEBEC 10 QUE	PH D 3 LA 1 9010
MAHFOOD JOSEPH MICHAEL DOUGLAS HALL BOX 55 KINGSTON S JAMAICA W I	B ENG 1
MAHFOUZ MOHAMED ABDEL H 7 FAREAD WAGDY ST MANIAL CAIRO EGYPT	M SC 2
MAHONEY GERALD THOMAS 6460 SHERBROOKE ST W MTL 8 SYLVESTER RD BOSTON 22 MASS USA	D D S 1 HU 6 6646
MAHONEY ROBERT J 4725 BOURRET ST APT 204 167 BACON ST WATERVILLE N Y USA	D D S 3 RE 9 9571
MAIDANIN PABLO VALENTIN 4982 KING EDWARD AVE MONTREAL 29 QUE	B ARCH 2 HU 4 6816
MAIKOVITCH HELLEN MACDONALD COLLEGE 8262 STUART AVE MONTREAL 15 QUE	2 TCHRS 1
MAIN NANCY ELIZABETH 3421 DRUMMOND ST APT 37 MONTREAL QUE	GRAD DIP 1 VI 2 2029
MAIR TREVOR ANTHONY M 3488 DUROCHER ST MTL 2 RETIREMENT CRES KINGSTON 5 JAMAICA W I	D D S 1
MAISEL HARRY 4970 MAPLEWOOD MONTREAL QUE	PH D 1 RE 9 5608
MAJAK WALTER 555 6TH AVENUE LACHINE QUE	B SC 2 ME 7 2258
MAJANLAHTI TEUVO JOHANI 23 9TH AVE ROXBORO QUE	B SC 2 MU 4 2922
MAK KAM KONG ROBERT 3538 HUTCHISON AVE APT 2 291 DES VOEUX RD CENTRAL 3RD FL HONG KONG	B SC 2 VI 9 0611
MAKELA PEKKA OLAVI 2234 SOUVENIR ST MONTREAL QUE	B ENG EL 4 WE 3 4076
MAKHANI JOGINDER SINGH DONNER BLDG EXPERIMENTAL SURGERY MCGILL UNIVERSITY MONTREAL QUE	M SC 1 VI 5 3347
MAKINWA STEPHEN A 3575 SHUTER ST MTL 104 OKEDASA ST ONDO NIGERIA	B COM 4 AV 8 9775
MALCOLM DONALD ANDREW C 81 HUDSON AVE MONTREAL 16 QUE	MED DIP 2 RE 3 1407
MALCOVITCH LESLIE O 3511 PEEL ST MTL 2 904 SECOND ST KAMSACK SASK	B SC 4 VI 4 4777
MALETSKAS CONSTANTINE N 284 ARGYLE AVE VERDUN QUE	B ENG CIV 4 PO 7 0987
MALHOTRA VASDEV SINGH 3416 DRUMMOND ST APT 10 C O S PREM SINGH 643 MOHALLA KHALSA PATIALA INDIA	M ENG 1
MALHOWSKI CASIMIR 5433 15TH AVENUE MONTREAL QUE	B COM 2 RA 9 6824
MALIN ERIC JAMES 6850 31ST AVE MONTREAL 36 QUE	B ENG 1 RA 2 5616
MALKINSON ABBY N 1745 WORTH AVE MONTREAL QUE	B A 4 RE 8 3258
MALOMET EDITH 3923 DROLET ST MONTREAL QUE	3 TCHRS 1 VI 9 1074
MALONE GEORGE EDWARD 3506 UNIVERSITY ST MTL 1277 ST JEAN DE BAPTISTE THETFORD MINES QUE	B ENG EL 4 VI 4 0624
MALONE KATHLEEN ST ANNES HOSPITAL STE ANNE DE BELLEVUE QUE	M S W 1 GL 3 5395
MALONEY GERALD FRANK 392 DES OBLATS APT 6 LASALLE QUE	B ENG MCH 5 DO 6 4764

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MALOWANY ALFRED STEPHEN 2280 HINGSTON AVE MTL P O BOX 965 FORT SASKATCHEWAN ALTA	M ENG 1 HU 6 6833
MALOWNEY MYRNA LYNN LAIRD HALL 12090 RIVERSIDE DR TECUMSCH ONT	B SC H EC 2
MALTIN FRANCES ALICE B 4290 KENT AVE MONTREAL QUE	B SC P OT 1 RE 7 0954
MALUS AVRUM Z 5503 TRANS ISLAND MONTREAL QUE	B A 4 RE 3 8063
MALUS MICHAEL HAROLD 5119 LACOMBE AVE MONTREAL QUE	MD CM 1 RE 8 7384
MALVET HELENE ANNA BROSSARD QUE	B A 4 OR 6 5631
MALVET REET BROSSARD QUE	B SC 2 OR 6 5631
MAMELAK MORTY 5419 HUTCHISON ST MONTREAL QUE	MD CM 2 CR 6 8810
MAMEN ELEANOR ANITRA ROYAL VICTORIA COLLEGE 20 MAPLE AVE STE ANNE DE BELLEVUE QUE	B A 1 VI 9 0030
MANCE JEFFERY JOHN 328 89TH AVENUE L ABORD A PLOUFFE QUE	B A 1 MU 1 8230
MANCONI JOHN WILLIAM 931 ADDINGTON AVE MONTREAL QUE	B ENG 2 HU 4 7448
MANDEL HARVEY PHJLIP 5260 ROSEDALE AVE MONTREAL QUE	B SC 1 HU 1 6677
MANDELCORN MARK SAMUEL 4950 BOURRET AVE APT 306 MONTREAL QUE	B A 1 RE 7 7137
MANDL GEORGE 3221 FOREST HILL APT 39 MONTREAL QUE	GRAD QUAL 1
MANEL MAURICE 4885 COTE ST CATHERINE APT 11 MONTREAL 26 QUE	H S D DIP 1
MANELSKI ROBERTO ENRIQUE 548 PRINCE ARTHUR W MTL HOLLAND MANOR APT 9410 COLLINS AVE MIAMI BEACH FLA USA	MD CM 1 VI 2 0877
MANGEL ROMAN 5403 JEANNE MANCE ST MONTREAL QUE	MD CM 2
MANGIONE JOSEPH B 627 MILTON ST MTL 70 ANDERSON ST OTTAWA ONT	B ENG CIV 4 AV 8 4587
MANIATIS NICHOLAS 3471 PEEL ST MONTREAL QUE	B ENG CIV 5 VI 9 0133
MANKIEWICZ FRANCIS M 760 WILDER AVE MONTREAL QUE	B SC 1 RE 1 2277
MANKIEWICZ JACQUELINE M 760 WILDER OUTREMONT QUE	M S W 1 RE 1 2277
MANKIEWICZ STANLEY ROYAL VICTORIA HOSPITAL MONTREAL QUE	MED DIP 3
MANN KRISTINE ELIZABETH ROYAL VICTORIA COLLEGE 5710 WARWICK PL CHERY CHASE 15 MD USA	B SC 1
MANN SANDRA LOUISE C LAIRD HALL 91 SOMERSET RD BAIE D URFE QUE	B SC H EC 4
MANN STUART KEITH 14 LAKESIDE AVE PTE CLAIRE QUE	B COM 2 OX 5 3734
MANNARD GEORGE WILLIAM 5481 QUEEN MARY RD APT 16 MONTREAL QUE	PH D 3 HU 9 4538
MANSELL JOAN GWENDOLYNNE 3455 COTE DES NEIGES APT 216 MTL 37 LEE AVE TORONTO ONT	B N 2 WE 7 5792
MANTEAW SAMUEL H 3490 HUTCHISON ST MONTREAL 18 QUE	B SC 4 VI 2 5580
MANTHORP ELIZABETH ANN 6160 N D G AVE MONTREAL QUE	MUS ASSOC 1 HU 6 6362
MANZO ANTHONY P 8345 CASGRAIN MONTREAL QUE	B SC 2 DU 8 2135
MARAVEI ANGELO 4289 HENRI JULIEN AVE MONTREAL 18 QUE	B ENG MCH 3 AV 8 3824
MARAVEI DANIEL A 4289 HENRI JULIEN AVE MONTREAL 18 QUE	B ENG EL 5 AV 8 3824
MARCHAND JOSEPH G M 690 25TH AVE APT 1 PTE AUX TREMBLES QUE	B ENG EL 4 MI 5 4057
MARCHAND STANLEY NORMAN 5395 VAN HORNE AVE W MONTREAL QUE	B ENG 1 RE 7 4383
MARCHANT CAROL LYNN 4432 MADISON AVE MONTREAL QUE	B SC 3 HU 4 4538
MARCHILDON E KEITH 940 THOMAS CHAPAIS ST MARTIN QUE	PH D 3 MU 1 5423
MARCINKOWSKA ELIZABETH M 4131 COTE DES NEIGES APT 8 MONTREAL QUE	B A 3 WE 7 3602
MARCOU DONALD GORDON 65 MONTEE STE MARIE STE ANNE DE BELLEVUE QUE	B SC AGR 1 GL 3 2538
MARCOVITCH ARTHUR JOEL 5211 ROSEDALE AVE MONTREAL QUE	B C L 3 HU 9 3168
MARCOVITCH STEPHEN I 661 BERTRAND ST ST LAURENT QUE	B C L 1 RI 7 5781
MARCUS ANTHONY MARTIN 1575 SUMMERHILL APT 307 MONTREAL QUE	MED DIP 4 WE 7 8179
MARGEL SIMON 397 ST JOSEPH BLVD W APT 14 MONTREAL QUE	B ENG 1 CR 6 7254
MARGETTS BARRY DESMOND W 3482 MCTAVISH ST MTL WARBURTON ARMS 137 MARE ST HACKNEY LONDON ENGLAND	B ENG MCH 5 VI 9 5965
MARGOLESE BARRY JACK 4875 BOURRET AVE MONTREAL QUE	B ENG AM 4 RE 3 9297
MARGOLESE IRWIN 635 OUTREMONT AVE OUTREMONT QUE	D D S 4 CR 1 6646
MARGOLESE MELVYN DAVID 869 DOLLARD AVE OUTREMONT QUE	B COM 2 CR 7 2292

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MARGOLIAN HART 4555 PARK AVE APT 14 270 GEORGE ST FREDERICTON N B	B C L 3 RE 7 2571
MARGOLICK LIONEL 4745 LACOMBE AVE MONTREAL QUE	B A 2 RE 9 5667
MARGOLICK SYVIA JOY 4812 DORNAL AVE MONTREAL QUE	B A 1 RE 1 6269
MARGOLIUS MARILYN 4912 DORNAL AVE MONTREAL QUE	3 TCHRS 1 RE 8 7389
MARGULIS BARRY 249 SHERATON DRIVE MONTREAL WEST QUE	B A 4 HU 9 7159
MARINOFF LEO EDWARD 3573 HUTCHISON ST MTL BELLE EWART ONT	B SC 1 VI 2 0601
MARK SHEW KUEY 3590 CLARK ST MONTREAL QUE	M SC 1 VI 9 7160
MARKEL SIDNEY 5209 GRENIER AVE MONTREAL QUE	B ARCH 2 HU 6 3282
MARKEY JOHN FREDERICK 235 PORTLAND AVE TOWN OF MT ROYAL QUE	B SC 3 RE 7 1496
MARKIES AREND CAREL BRITTAIN HALL DRIEHOEK 28 APELDOORN HOLLAND	B SC AGR 3
MARKLE RALPH DOUGLAS 3508 UNIVERSITY ST MTL 121 CHURCH AVE WILLODALE ONT	B D 1 VI 4 0752
MARKO LASZLO 3454 SHUTER ST MONTREAL QUE	B ENG EL 3
MARKOWICZ ISADORE 5945 SOUART APT 6 MONTREAL QUE	B SC 1 RE 9 7182
MARKOWITZ NORMA 3106 BRIGHTON AVENUE MONTREAL QUE	B COM 3 RE 7 7500
MARKS BRENDA LEE 6615 34TH AVE MONTREAL 36 QUE	2 TCHRS 2
MARKS ELAINE 4902 KENT AVE MONTREAL QUE	B A 1 RE 7 8467
MARKS ISOBEL CAROL 656 GROSVENOR AVE WESTMOUNT QUE	B A 1 HU 6 1912
MARKS MELVIN ISAAC 5530 CLANRANALD AVE MONTREAL QUE	B SC 4 RE 7 4533
MARKUS ALLEN DAVID 5015 ROSLYN AVE MONTREAL 28 QUE	B ENG 2 RE 8 8291
MARLER ALLAN M 433 WOOD AVE MONTREAL 6 QUE	B A 1 WE 5 6659
MARLIN MARGARET RUTH 93 DEVON RD BAIE D URFEE QUE	B SC 1 GL 3 6014
MARLIN RANDAL ROBERT A 419 LANSDOWNE AVE WESTMOUNT QUE	M A 1
MAROOSIS GEORGE JAMES J 649 MILTON ST MTL 630 BAYWOOD CRES NORTH BAY ONT	B SC 2 VI 5 0734
MAROSH ROSLYN 5674 MONKLAND AVE MONTREAL QUE	B A 3 HU 6 3060
MAROTTA JOHN JOSEPH D 132 ST JACQUES O SUITE 704 MTL 215 DIVISION ST WELLAND ONT	B SC 1 VI 9 6308
MARPOLE DEREK GIFFORD F 1340 REGENT RD APT 10 TOWN OF MT ROYAL QUE	MD CM 2 RE 9 8789
MARQUIS ROLAND PIERRE 2064 BOURBONNIERE ST SILLERY QUE	B ARCH 4
MARR ALLAN ROBERT WILSON HALL P O BOX 503 SAINT JOHN N B	B ARCH 4 VI 4 0624
MARS PATRICK JAMES 3482 MCTAVISH ST MTL HASLEMERE SURREY U K	B COM 3 VI 9 5965
MARSDEN BARBARA ANNE 3215 VAN HORNE AVE APT 1 MONTREAL QUE	M S W 2 RE 7 8378
MARSDEN DONALD ARTHUR 3215 VAN HOREN AVE APT 1 MONTREAL QUE	PH D 3 RE 7 8378
MARSDEN MICHAEL 155 JUNIPER ST BEACONSFIELD QUE	PH D 4 OX 5 3058
MARSH DAVID CAMPBELL BOX 90 MACDONALD COLLEGE 57 LASCELLES BLVD TORONTO ONT	M SC 1
MARSHALL ARTHUR RICHARD 5995 TERREBONNE MONTREAL 28 QUE	M A 2 HU 8 5067
MARSHALL BRIAN DUNCAN 103 VICTORIA DR BAIE D URFEE QUE	B ENG 1 GL 3 4687
MARSHALL DAWN ELIZABETH 4396 MAYFAIR AVE MONTREAL QUE	B SC N 5 HU 4 7940
MARSHALL GRACE 375 44TH AVE LACHINE QUE	B L S 1 ME 7 4141
MARSHALL HERBERT LYNN BRITTAIN HALL INVERNESS QUE	2 TCHRS 1
MARSHALL JANET LYNNE MACDONALD COLLEGE 165 BRIEN AVE LAVAL DES RAPIDES QUE	3 TCHRS 1
MARSHALL LIANA MARIETTA 22 COOLBREEZE AVE PTE CLAIRE QUE	B SC 4 OX 5 2897
MARSHALL MICHAEL KING 4396 MAYFAIR AVE MONTREAL 28 QUE	B SC 4 HU 4 7940
MARSHALL PETER J 3473 UNIVERSITY ST MTL 2 99 BELLEVUE AVE TORONTO 2 ONT	B SC 4
MARSHALL VALIN GEORGE K 21566 LAKESHORE RD STE ANNE DE BELLEVUE QUE	M SC 1 GL 3 8526
MARTIN BRUCE EARLE 6770 SHERBROOKE EAST MONTREAL QUE	B A 2
MARTIN CLAIRE CHRISTINE 495 PRINCE ARTHUR ST APT 10 MTL R R 1 NORTON KINGS CO N B	B SC P OT 2 VI 9 4314

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MARTIN DAVID EDWIN 3434 MCTAVISH ST MTL BABCOCK RD ROCKPORT MASS USA	B COM 4 VI 2 4492
MARTIN DONALD L BRITTAIN HALL RIVER HEBERT CUMB CO N S	B SC AGR 4 GL 3 1828
MARTIN DOUGLAS BARRY 3453 SHUTER ST MTL R R 2 CAMROSE ALTA	B ENG 2 VI 3 6709
MARTIN ELEANOR JANE V LAIRD HALL 3 EDGEVALLEY DR ISLINGTON ONT	2 TCHRS 1
MARTIN FRANK JOHN CHARLES 3434 MCTAVISH ST MTL 55 ORCHARD PARK DR WESTHILL ONT	B A 1
MARTIN GARTH WILLIAM 4601 CONNAUGHT AVE MONTREAL 28 QUE	B ENG 2 HU 1 8569
MARTIN GERALD ADOLF 5431 WELLINGTON ST VERDUN QUE	B C L 4 PO 6 2413
MARTIN GILLES LOUIS J 317 MEESE AVE MONTREAL 5 QUE	B ENG 1 CL 5 9893
MARTIN GILLES RENE 30 CHURCH AVE VALOIS QUE	B COM 2 OX 5 5720
MARTIN HENRY ARNE 3647 UNIVERSITY AVE MTL 58 HILLHURST BLVD TORONTO 12 ONT	B ENG EL 4 VI 9 2806
MARTIN KONRAD JOSEF PHYSIOLOGY DEPT 4814 FULTON ST APT 4 MONTREAL QUE	PH D 4
MARTIN LUCRETIA E ROYAL VICTORIA COLLEGE WILDWOOD VAUDREUIL QUE	B ED 4 VI 9 0120
MARTIN NORMAN GRANT 1441 DRUMMOND ST 533 FOREST DR COUNCIL BLUFFS IOWA USA	B ENG 2
MARTIN RICHARD DANIEL 5398 COOLBROOK AVE MONTREAL QUE	B ENG 1 HU 9 7001
MARTIN ROGER THOMAS 5631 JEANNE D ARC MONTREAL 36 QUE	B ENG CIV 4 RA 5 4551
MARTIN ROSALIND J ROYAL VICTORIA COLLEGE 223 HILLCREST AVE HAMILTON ONT	B A 1 VI 2 0597
MARTINEAU DENISE 539 ROCKLAND OUTREMONT ST PASCAL KAMOURASKA QUE	MUS ASSOC 1 CR 7 7771
MARTINOW VICTOR MICHAEL 5138 JEANNE MANCE MONTREAL QUE	B SC 4
MARTNA MARET HELGA 2050 CLAREMONT AVE APT 27 MONTREAL 6 QUE	M L S 2 HU 9 5462
MARTTILA WALTER RAYMOND 8324 DEGASPE AVE MTL 1316 MCFARLANE LAKE RD SUDBURY ONT	M A 4 DU 7 3005
MARTYRES BOSCO KEVIN 4820 BARCLAY AVE APT 5 MONTREAL QUE	B ENG 1 RE 9 8206
MARVIN CYNTHIA MAY 3512 DUROCHER ST APT 206 6 GROVE ST ESSEX JCT VT USA	M SC 1 VI 9 9980
MARVIN LINDA L 232 STONEHENGE DR BEACONSFIELD QUE	B SC H EC 3 OX 5 5250
MARVIN MAVIS 3553 DUROCHER ST APT 503 MONTREAL QUE	B SC 3 VI 5 0521
MARWICK LORWA CATHERINE LAIRD HALL 7128 DE LANAUDIERE ST MONTREAL QUE	B ED 2
MASELLA ANTONIO 7697 SHAUGHNESSY VILLE ST MICHEL QUE	B SC 2 RA 7 9818
MASON CAROLINE DELILAH 29 PERRAULT AVE STE ANNE DE BELLEVUE QUE	2 TCHRS 1 GL 3 8338
MASON GORDON LINDSAY 423 DUFFERIN RD HAMPSTEAD QUE	B SC AGR 1 HU 1 3126
MASON HUGH JOHN 314 KENSINGTON AVE MONTREAL 6 QUE	B A 1 WE 7 9056
MASON JEAN CALKIN 25 THURLOW RD HAMPSTEAD QUE	B A 3 HU 6 4740
MASON JOHN CHARLES BRITTAIN HALL 587 FICKES ST ARVIDA QUE	B SC AGR 1 GL 3 1997
MASON PETER RALPH 11793 DEDATIE STMTL BROME QUE	B A 1 FE 6 1839
MASSE MARCEL 2925 EST BOUL GOUIN MONTREAL 12 QUE	B C L 3 DU 8 7174
MASTER ELI 4650 DES COURTRAI AVE MONTREAL QUE	B ENG CIV 4 RE 3 3510
MASTERS NORMA 1095 DEGUIRE ST ST LAURENT QUE	B SC 4 FE 4 7049
MASTROCOLA JOSEPH 7492 DE LAROCHE ST MONTREAL QUE	B ENG EL 5
MATH PETER HARVEY 456 PINE AVE MTL 205 BRYANT ST SHERBROOKE QUE	B A 1 VI 9 2768
MATHESON DAVID MELVILLE 400 COTE ST ANTOINE APT 8 WESTMOUNT QUE	B D 3 WE 7 4890
MATHESON GWEN MARIAN 3480 STE FAMILLE MTL BOLSOVER ONT	M A 2 VI 4 8509
MATHEWSON JOHN LAVENS 11 BOWLING GREEN PTE CLAIRE QUE	B ENG 2 OX 5 2863
MATOSSIAN NICOLAS 3500 MOUNTAIN ST MONTREAL 20 QUE	B A 4 VI 2 4019
MATTE GEORGE GRAEME BAYNE 3434 MCTAVISH ST MTL 71 BECKLER AVE LA TUQUE QUE	B SC 2 VI 2 4492
MATTHEW EDWARD MICHAEL GEOGRAPHY DEPT 539 PINE AVE W MONTREAL 2 QUE	M SC 2
MATTHEWS JOAN ROYAL VICTORIA COLLEGE 231 PARK RD ROCKCLIFFE PARK OTTAWA ONT	M A 1 VI 9 0993

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MATTHEWS JUDITH CLAIRE MACDONALD COLLEGE R R 3 LACHUTE QUE	2 TCHRS 1
MATTHEWS JUDITH SYLVIA 86 COTE ST CATHERINE RD MONTREAL QUE	B A 3 CR 7 3415
MATTHEWS SOLOMON B 1596 DUCHARME AVE MONTREAL 8 QUE	B ENG 2 CR 7 7202
MATTHEWS TIMOTHY PETER 80 HUDSON AVE APT 7 TOWN OF MT ROYAL QUE	B C L 2 RE 9 3438
MATTINSON JOSEPH HENRY 4252 ROYAL AVE MONTREAL 28 QUE	B ENG 2 HU 6 6510
MATULA KRYSTYNA JOANNA T 2105 ATWATER AVE APT 7 MONTREAL QUE	B A 1 WE 2 9326
MATULEVICIUS EDWARD S J 950 ALLARD AVE VERDUN QUE	B ENG 2 PO 8 1497
MATZ DETLEF 2050 CHOMEDEY APT 6 MONTREAL QUE	PH D 3 WE 3 6481
MATZKO ALEXANDER 6702 DES ERABLES AVE MONTREAL QUE	MED DIP 3 RA 8 2063
MAUCHLINE DOREEN E ROYAL VICTORIA COLLEGE BOX 413 FRUITVALE B C	B SC P OT 2 VI 2 0571
MAUER SHELDON MICHAEL 4645 PLAMONDON AVE APT 24 MONTREAL QUE	B A 3 RE 3 2044
MAUGHAN GEORGE BURWELL 619 SYDENHAM AVE WESTMOUNT QUE	B A 1 HU 1 1341
MAUGHAN MARILYN MURIEL 619 SYDENHAM MONTREAL 6 QUE	B A 3 HU 1 1341
MAULE JOHN D 383 GENEVA CRES MTL MCMASTERVILLE QUE	D D S 3 RE 8 1656
MAURICE WILLIAM LAWRENCE 5100 MAPLEWOOD AVE APT 3 MONTREAL QUE	MD CM 1 RE 7 6646
MAVRIAS DENIS 5033 WELLINGTON ST VERDUN 19 QUE	B SC 2 PO 9 2556
MAVROYANNIS CONSTANTINE 3442 DUROCHER ST MONTREAL QUE	PH D 3 VI 4 0464
MAW ALLAN WILFRED 830 49TH AVE LACHINE QUE BOX 105 BOLTON ONT	B ENG EL 5 ME 4 3374
MAW JOAN ELIZABETH 456 PINE AVE APT 8 MTL 162 HYDE PARK AVE HAMILTON ONT	B SC P OT 3 VI 9 3158
MAXIMCHUK ARLENE JOYCE 1250 ST MATTHEW APT 4 10849 117TH ST EDMONTON ALTA	PH D 3 WE 7 3021
MAXWELL ANTHONY STIRLING 430 WOOD AVE WESTMOUNT QUE	B ENG MCH 4 WE 5 2071
MAXWELL BARBARA ANNE 7630 24TH AVE VILLE ST MICHEL QUE	P E DIP 2
MAXWELL CHARLES RICHARD 5131 BELMORE AVE MONTREAL 29 QUE	2 TCHRS 1 HU 6 4053
MAXWELL MICHAEL 3484 SHUTER ST APT 11 MONTREAL QUE	M A 1 VI 4 5155
MAXWELL ROBERT DOUGLAS 1441 DRUMMOND ST MTL 180 YAMASKA ST FARNHAM QUE	B ENG CH 3 VI 9 4171
MAY DOROTHY ELAINE MACDONALD COLLEGE 126 8TH AVE ST EUSTACHE SUR LE LAC QUE	2 TCHRS 1
MAY MORTIMER 3854 NORTHCLIFFE AVE APT 1 MONTREAL QUE	PH D 4 HU 8 0105
MAY NORMAN MARVIN 5790 HUTCHISON ST OUTREMONT QUE	B C L 3 CR 4 4146
MAYER RONALD WENDEL 8601 L ACADIE BLVD APT 3 MONTREAL QUE	B ENG 1 CR 7 1565
MAYEROVITCH NINA ANN 4840 WESTMOUNT AVE WESTMOUNT QUE	B SC 2 HU 6 6560
MAYERS JOHN MANSFIELD 3524 SHUTER ST MTL STOMARA CLAPHAM ST MICHAEL BARBADOS W I	M A 1 VI 4 0084
MAYHEW ROGER ELLIOTT 4055 JEAN RENOU LACHINE QUE	B SC 1 ME 7 0492
MAYRAND MARIE CHAZAK H ROYAL VICTORIA COLLEGE VIA APPIA ANTICA NO 183 ROME ITALY	B A 2 VI 2 0847
MAZAK EDWARD 3520 MAPLEWOOD AVE APT 205 MTL 2048 YPRES BLVD WINDSOR ONT	D D S 4 RE 3 8339
MAZLIACH EUGENE 3345 ELLENDALE APT 14 MONTREAL QUE	B COM 4 RE 3 7797
MAZUREK EDWARD 8175 BIRNAM ST MONTREAL QUE	B ENG EL 3 CR 2 4901
MAZUTIS JURIS 2057 MAPLEWOOD AVE APT 7 MONTREAL 26 QUE	B ENG EL 4 RE 3 5511
MAZUTIS MARA 2057 MAPLEWOOD AVE MONTREAL 26 QUE	B A 1 RE 3 5511
MBOGUA JOHN PETER 539 PINE AVE W MTL P O BOX 53 LIMURU KENYA BR EAST AFRICA	M A 2 VI 5 2693
MBUGUA SIMON JAMES 3511 HUTCHISON ST MTL CATHOLIC MISSION GATANGA BOX 149 THIKA KENYA COLONY BR EAST AFRICA	B ENG CIV 5 VI 4 1816
MCADAM WILFRID BRIAN 82 PERCIVAL AVE MONTREAL 28 QUE	B ENG MCH 5
MCALLISTER JOHN THOMAS MACDONALD COLLEGE GAGETOWN QUEENS CO N B	B SC AGR 4
MCARDLE ALICE HOPE 4830 HARVARD AVE MONTREAL 29 QUE	PH D 3 HU 6 1414
MCAREE CHRISTOPHER P 4900 COTE DES NEIGES APT 12 MONTREAL QUE	MED DIP 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MCARTHUR BARBARA ANN 7305 FIELDING AVE MONTREAL QUE	B SC 2 HU 1 1374
MCATHEY SHEILA ANNE MACDONALD COLLEGE 20 SUNNISIDE AVE WESTMOUNT QUE	3 TCHRS 1 HU 4 3682
MCAULEY MARGARET E 339 VICTORIA AVE APT 5 WESTMOUNT QUE	3 TCHRS 1 HU 4 2931
MCBRIDE PEGGY KATHLEEN 4610 BEACONSFIELD AVE MONTREAL 28 QUE	B A 2 HU 6 1704
MCBURNEY MARK ANTHONY 3508 DUROCHER ST MTL 145 WHITNEY AVE FERRIS ONT	B ENG 1 VI 9 4352
MCCABE ROGER CHARLES E 910 PRATT AVE OUTREMONT QUE	D D S 1 RE 8 2011
MCCALLUM WILLIAM CUTHBERT 1118 ELGIN TERR MONTREAL 2 QUE	B C L 4 VI 5 7573
MCCAMMON ANTHONY LEWIS T 3551 SHUTER ST MTL LE PONTERRIN ST SAVIOUR JERSEY CHANNEL ISLANDS	B A 1 AV 8 7386
MCCANN SUSAN HEATHER MACDONALD COLLEGE 11822 GENERAL GIRAUD MONTREAL 9 QUE	2 TCHRS 1
MCCARDELL NORA ELLEN 4130 MELROSE AVE MONTREAL 28 QUE	M SC APP 2 HU 6 2384
MCCARTHY RENNIE LEIGH ROYAL VICTORIA COLLEGE 235 WARREN ROAD TORONTO ONT	B A 2 VI 2 0334
MCCARTNEY KAREN SHIRLEY MACDONALD COLLEGE 7 BRIDGE ST ORMSTOWN QUE	2 TCHRS 1
MCCAW RICHARD STEELE BRITTAIN HALL BEDFORD QUE	B SC AGR 1
MCCLELLAN JOHN 3478 MCTAVISH ST MTL WOODSTOCK CONN USA	B A 2 VI 2 7412
MCCLOSKEY BRIAN PATRICK 3429 DRUMMOND ST MTL 14 FAIRBAIRN ST OTTAWA ONT	B ARCH 5 VI 5 1968
MCCOMB ROBERT M 379 43RD AVE LACHINE QUE	B ENG MCH 4 ME 7 0886
MCCONACHIE WILLIAM JOHN J BRITTAIN HALL 3427 WELLINGTON ST VERDUN QUE	B SC AGR 2
MCCONNELL BARBARA JOANN 58 ROSELAWN CRES MONTREAL QUE	B A 3 RE 8 2463
MCCONNELL PETER DERMOT H BRITTAIN HALL BOG WALK JAMAICA W I	B SC AGR 1
MCCORMICK MELVILLE GEORGE 122 BELMONT AVE LAKSIDE QUE	3 TCHRS 1 OX 5 2758
MCCORMICK RAYMOND HERBERT 1581 MCGREGOR APT 9 MTL 409 FIRST ST WEST CORNWALL ONT	D D S 2 WE 3 0803
MCCRACKEN JAMES EDWARD F 4128 HARVARD AVE MONTREAL 28 QUE	B A 3 HU 4 2920
MCCREA ELIZABETH ANNE 10 FENWICK AVE MONTREAL WEST QUE	B A 1 HU 6 9237
MCCRIMMON DONALD ROSS 511 CLARKE AVE MONTREAL 6 QUE	B COM 2 WE 3 9669
MCCROWE BERNICE 3466 SHUTER MTL 12 LAUGHLIN CRES ST JOHN S NFLD	GRAD DIP 1
MCCUAIG HOLLY RUTH 165 EDGEHILL RD WESTMOUNT QUE	M S W 1 HU 1 1993
MCCUAIG MARION RUTH 4580 BEACONSFIELD AVE MONTREAL QUE	B A 4 HU 1 6084
MCCULLOUGH EDWARD EASTMAN 21 ST CHARLES AVE DORVAL QUE	PH D 3 ME 1 8130
MCCULLUM MARJORY E 561 ARGYLE AVE MONTREAL QUE	M S W 1
MCCULLY KEITH ALLEN BOX 49 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 4
MCCUTCHAN GARRETT BLAGG 548 PRINCE ARTHUR ST W MONTREAL QUE	B A 1 VI 2 0877
MCCUTCHEON DAVID CAMERON 1670 CHURCH ST ST LAURENT QUE	B ENG MCH 5 RI 7 6022
MCCUTCHEON EDNA ELIZABETH BOX 184 MACDONALD COLLEGE SPRINGFIELD R R 1 KINGS CO N B	M SC 1 GL 3 6261
MCDERMICK PETER ALEXANDER 3473 UNIVERSITY ST MTL 545 WINDERMERE AVE TORONTO ONT	MD CM 1 VI 9 1791
MCDIARMID DONALD PETER 308 OAK ST ST LAMBERT 193 WATERLOO ST WINNIPEG MAN	B ENG CH 4 OR 1 1434
MCDIARMID JOHN CAMPBELL 1429 STANLEY ST MTL 1874 FAIRBANKS AVE OTTAWA 1 ONT	B COM 1
MCDONALD JOHN ANTHONY 7571 SECOND AV VILLE ST MICHEL 40 BEECHWOOD AVE YORK MILLS WILLOWDALE ONT	B SC 2 RA 1 9095
MCDONALD PETER CRAIG 114 NORMANDY DR TOWN OF MT ROYAL QUE	B A 1 RE 7 0824
MCDONALD RUTH ISABEL ROYAL VICTORIA COLLEGE BOX 39 VALLEYFIELD QUE	B SC 1 VI 2 0597
MCDONELL WINSTON DOUGLAS BRITTAIN HALL WILLIASTOWN ONT	AGR DIP 1
MCDONNELL FRANCIS TERENCE 360 WOOD AVE WSTMT APT 79 N E M HOUSE 8TH AVE BULAWAYO S RHODESIA	B ENG EL 5 WE 2 3014

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MCDONOUGH SHEILA DOREEN 2187 ST LUC ST APT 5 MONTREAL QUE	PH D 2
MCDOUGALL ALLAN KERR 617 ROSLYN AVE WESTMOUNT QUE	B A 3 HU 4 7466
MCDOUGALL GRAEME A BOX 109 APT B 6 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 2
MCDOUGALL MICHAEL LEONARD 475 PINE AVE W MTL P O BOX 179 MONTEBELLO QUE	B COM 2
MCELREA LYNN ELLEN MACDONALD COLLEGE C O NORTHERN WINGS SEVEN ISLAND QUE	3 TCHRS 1
MCELROY GORDON WILLIAM E BOX 78 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M A 1 GL 3 6432
MCEWEN EOIN HALL 9 ELIZABETH AVE DORVAL BOX 117 YELLOWKNIFE N W T	PH D 2 ME 1 0747
MCFADDEN PHYLLIS JOAN 1566 PINE AVE W MTL R R 1 STEWIACKE COL CO N S	GRAD DIP 1 WE 2 3337
MCFALL IAN KELLER HUT C 15 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 3 GL 3 6843
MCGARRY MICHAEL GRIMBLY 3563 UNIVERSITY ST MTL 292 VICTORIA AVE LONDON ONT	B ENG CIV 3 AV 8 4075
MCGENTY SHIRLEY ALVA MACDONALD COLLEGE 269 ST MICHEL ST SHERBROOKE QUE	3 TCHRS 1
MCGINITY BERNARD BOND 3565 DUROCHER APT 19 MONTREAL QUE	MD CM 4 AV 8 6905
MCGOWAN JAMES GRAHAM WILSON HALL CASILLA DE CORREO 5510 CORREO CENTRAL BUENOS AIREE ARGENTINA	B COM 3 VI 4 0624
MCGRURIK WILLIAM MORGAN K 3485 MCTAVISH ST MONTREAL QUE	B C L 4 VI 2 4058
MCILQUHAM MORVEN CAMERON 103 SUNNYSIDE AVE WESTMOUNT QUE	MD CM 3 HU 4 6244
MCINTOSH WILLIAM J 28 ROSELAWN CRES MONTREAL 16 QUE	B SC 1 RE 1 2686
MCINTYRE JOAN MARIE C 130 HIGHFIELD AVE TOWN OF MT ROYAL QUE	B A 3 RE 8 4944
MCIVER ALAN ROBERT 228 CHAPLEAU ST RO ROSEMERE QUE	B SC 4
MCIVER RODERICK JOHN 228 CHAPLEAU ST ROSEMERE QUE	B SC 3 NA 5 4034
MCKAY ALEXANDER RONALD 9 MORRISON AVE TOWN OF MT ROYAL QUE	M ENG 2 RE 3 6937
MCKAY ELISABETH A D 1009 SHERBROOKE ST W MTL ORCHARD COTTAGE COOPERS HILL LANE ENGLEFIELD GREEN NR EGHAM SURREY ENGLAND	B A 3 VI 4 0426
MCKAY JOHN ROBERT 4694 GROSVENOR AVE MONTREAL 29 QUE	MUS B 4 HU 1 2952
MCKAY JULIE FOSTER ROYAL VICTORIA COLLEGE 3 EAST ORCHARD ST MARBLEHEAD MASS USA	B A 2 VI 2 0113
MCKEAGAN DAVID JAMES 7025 FIELDING APT 303 MONTREAL 29 QUE	B ENG CH 4 HU 9 1778
MCKEE BARRY THOMAS DOUGLAS HALL 1530 FIFTH AVE WEST OWEN SOUND ONT	B SC 3 VI 2 7410
MCKEE BEVERLEY WILLIAM 5409 BELMORE AVE MONTREAL QUE	MD CM 4 HU 9 5034
MCKEE JOHN BRAXTON 3491 PEEL ST MTL 2 309 S STEWART ST WINCHESTER VA USA	MED DIP 1 VI 5 9329
MCKELLAR JEAN ANNE 5 7TH AVE DORION QUE	B A 4
MCKELLAR KATHERINE E 5 7TH AVE DORION QUE	H S D DIP 1 BE 4 3822
MCKENZIE JUDITH ANNE ROYAL VICTORIA COLLEGE P O BOX 700 NEWCASTLE N B	B SC 1 VI 9 0030
MCKENZIE MARILYN JEAN 3480 ONTARIO AVE MTL BOX 218 ST ANDREWS N B	B SC P OT 3
MCKEOWN NANCY CATHERINE ROYAL VICTORIA COLLEGE 44 KEMPENFELDT DR BARRIE ONT	B SC P OT 2 VI 2 0833
MCKERGOW JAMES IAN 230 LOGAN ST ST LAMBERT QUE	PARTIAL OR 1 6404
MCKINNEY BLANCHE ELOISE 4870 COTE DES NEIGES RD APT 305 MTL PHIPPEN SASK	B N 2 RE 9 8970
MCKINNON DOUGLAS ARCHIE 1065 TRUDEAU ST LAURENT QUE	MD CM 4 RI 4 0835
MCKITTRICK DAVID PAUL 1176 ST MATHIEU ST MTL 49 TESLA AVE MEDFORD MASS USA	B ENG CIV 3 WE 3 0535
MCLANE VICTORIA MARY H ROYAL VICTORIA COLLEGE 544 EAST 86TH ST NEW YORK 28 N Y USA	B A 1 VI 2 0829
MCLAUGHLIN CHARLES JUDSON UNITED THEO COLLEGE KENMORE ONT	B D 3
MCLAY MARGARET LYNNE 4601 KENSINGTON AVE MONTREAL QUE	B A 1 HU 1 3288
MCLEAN DANIEL PINGLE 94 CHARLESWOOD DR BEACONSFIELD QUE	B SC 4 OX 5 2796
MCLEAN DONALD EDWARD 665 BELMONT AVE WESTMOUNT QUE	B A 4 HU 1 3759

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MCLEAN GEORGINA MOSSEY MACDONALD COLLEGE 94 CHARLESWOOD DR BEACONSFIELD QUE	P E DIP 1 OX 5 2796
MCLEAN JAMES T 5245 COTE ST LUC RD APT 2 MONTREAL QUE	B SC 2 HU 6 8793
MCLEAN PATRICIA CAMPBELL 27 ROSEMOUNT AVE WESTMOUNT QUE	B A 1 WE 2 0468
MCLEAN SHEILA I ROYAL VICTORIA COLLEGE 3208 EXSHAW RD CALGARY ALTA	B SC 1 VI 2 0571
MCLEARN ROBERT MICHAEL 133 PERCIVAL AVE MONTREAL QUE	B C L 4 HU 6 9178
MCLEARON LAWRENCE BROCK 352 METCALFE AVE WESTMOUNT QUE	B ENG 1 WE 2 0028
MCLELLAN JANET EILEEN MCLENNAN HALL 107 DUBLIN ST HALIFAX N S	B SC P OT 2 VI 2 0044
MCLENAHAN MARY KATHLEEN STEWART HALL WINDSOR MILLS QUE	2 TCHRS 2
MCLEOD MALCOLM E W 217 LAZARD AVE TOWN OF MT ROYAL QUE	B A 4 RE 7 5743
MCLEOD QUITA MAE 24 ELMWOOD AVE SENNEVILLE QUE	B SC 1 GL 3 5848
MCLEOD ROBERT A L 2076 SHERBROOKE ST W APT 12 MONTREAL QUE	MD CM 3 WE 3 1686
MCLERNON JOHN ROSS 35 ABERDEEN AVE WESTMOUNT QUE	B A 3
MCLURE BELTANE BRUCE 5831 5TH AVE MONTREAL 36 QUE	B A 1 RA 9 9470
MCMASTER MARTHA S 49 OAKLAND AVE MONTREAL QUE	PARTIAL HU 1 4756
MCMENAMIN JAMES EDWARD 3484 PEEL ST MTL 327 WELLINGTON HGTS SUDBURY ONT	B ENG MI 5 VI 5 7427
MCMICHAEL GERALDINE ANN ROYAL VICTORIA COLLEGE R R 1 GRENVILLE QUE	B SC 4 VI 2 0526
MCMICHAEL JANET G 212 BALLANTYNE N MONTREAL WEST QUE	B A 3 HU 1 3558
MCMILLAN ALLAN HUGH 83 OAKVILLE DORVAL QUE	B ENG 1 ME 1 8700
MCMILLAN BERNICE DORIS 4870 COTES NEIGES APT 305 MTL 125 AVE L SOUTH SASKATOON SASK	GRAD DIP 1 RE 9 8970
MCMILLAN DOREEN EVA ANNA MACDONALD COLLEGE R R 1 PILTIMORE QUE	2 TCHRS 1
MCMILLAN MARY ELIZABETH 248 MORRISON AVE MONTREAL 16 QUE	B A 2 RE 3 4254
MCMORINE KENNETH A BRITTAIN HALL KINGSBURY RICHMOND CO QUE	B SC AGR 2 GL 3 1997
MCMORRAN MICHAEL ANGUS 3581 UNIVERSITY ST MTL 90 RUSKIN AVE OTTAWA ONT	B SC 2 VI 9 1368
MCMULLEN DONALD WALTER 3647 UNIVERSITY ST MTL 94 S HIGH ST PORT ARTHUR ONT	B ENG MCH 5 VI 9 2806
MCMURRAY JAMES ALBERT 4300 DE REPENTIGNY ST MONTREAL 5 QUE	PARTIAL CL 6 8292
MCMURTRY BARBARA JILL 2265 DOVER RD TOWN OF MT ROYAL QUE	B SC N 1 RE 8 9274
MCNALLY LAWRENCE BERNARD 1547 MCGREGOR ST MTL 9 7TH ST NORANDA QUE	MD CM 2 WE 7 0059
MCNEELY PHILIP ANTHONY CUMBERLAND ONT	B ENG CIV 5
MCNEIL WILLIAM SHARP MACDONALD COLLEGE WINDSOR R R 1 HANTS CO N S	B SC AGR 3
MCNEILL DUNCAN IVES 4081 HIGHLAND AVE MONTREAL QUE	B A 3 WE 5 8634
MCPHAIL JOHN DONALD 2680 GOYER ST APT 16 MONTREAL QUE	PH D 2
MCQUADE JAMES GERALD 4054 NORTHCLIFFE AVE MONTREAL QUE	B ENG EL 4 HU 1 6909
MCQUEEN MARY MARGARET 5217 SHERBROOKE ST W APT 60 MONTREAL QUE	B N 2 HU 9 5120
MCRAE WENDY STEWART HALL BAINSVILLE ONT	B SC H EC 1
MCREYNOLDS KENNETH L 224 WRIGHT CRES DORVAL QUE	B ARCH 3 ME 1 8179
MCROBIE BLAIR ROBERTSON 3228 THE BLVD WESTMOUNT QUE	B A 4 WE 2 0660
MCSWEENEY EDWARD DOUGLAS 4328 SHERBROOKE ST W APT 24 WESTMOUNT QUE	M SC 2 WE 5 5113
MCTAGGART ANDREW NEIL 11220 87TH AVE EDMONTON ALTA	MED DIP 4
MCTURK ELIZABETH TAYLOR 1631 ST LUKE ST APT 8 MONTREAL 25 QUE	M S W 2 WE 3 7932
MCVEY DONALD JOHN MACIVER 2015 BISHOP ST MONTREAL 25 QUE	B ENG EL 4 VI 5 1492
MEADE RONALD MICHAEL GUY 3434 MCTAVISH ST MTL MERRY BROOK FAR HILLS N J USA	B A 4 VI 2 4492
MEADLEY RONALD GEORGE 48 CRESTWOOD AVE MTL W 1104 RAYMOND CASGRAIN QUEBEC 6 QUE	B SC 4
MEADOWS FRANK HAROLD 5180 ST JOSEPH BLVD LACHINE QUE	B D 2 ME 7 8858
MEAKINS JONATHAN L 620 MURRAY HILL WESTMOUNT QUE	B SC 3 HU 1 8837
MEANEY PAUL STEPHEN P 11826 GENERAL GIRAUD MONTREAL 9 QUE	B SC 2 FE 4 8947

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MECARBANE JOSEF GEORGE 3587 UNIVERSITY ST APT 6 MONTREAL QUE	B COM 3
MEDICOFF GRACE ELLEN 8187 STUART AVE MONTREAL 15 QUE	B SC 2 CR 9 5742
MEDINZ CARLOS ALBERTO 548 PRINCE ARTHUR W MTL STA ROSA DE COPAN REPUBLICA DE HONDURAS CENTRO AMERICA	MD CM 1 VI 2 0877
MEDZON EDWARD LIONEL 3660 PEEL ST APT 6 MTL 548 QUEENSTON ST WINNIPEG 9 MAN	PH D 3 VI 5 7230
MEEHAN EDWIN LEEMAN 1696 FAYOLLE AVE VERDUN QUE	H S D DIP 1 DO 6 7153
MEEK JOHN GEORGE 74 51ST AVE ROXBORO QUE	B ENG MCH 4 MU 4 3218
MEGHIR SAMUEL 3360 BARCLAY AVE APT 6 MONTREAL QUE	PH D 5 RE 9 9513
MEHNERT VOLKER 6 PARK PL APT 6 WESTMOUNT 6 QUE	B C L 2 WE 7 5896
MEHRA YOGINDER NATH ROYAL VICTORIA HOSP INSIDE LOHGARH GATE AMRITSAR INDIA	M SC 1 VI 2 1251
MEHTA PRATAP NATVARLAL 3563 UNIVERSITY ST APT 26 MONTREAL QUE	MED DIP 4 VI 2 3697
MEHTA VINODINI PRATAP 3563 UNIVERSITY ST APT 26 MONTREAL QUE	HDICRAFTS 1
MEIER LOUIS ALOIS 3515 DUROCHER ST APT 65 MONTREAL 18 QUE	MD CM 2
MEIGHAN WILLIAM JAMES F 3060 ST EMILE ST MONTREAL 5 QUE	B ENG EL 3 CL 6 6722
MEIKLE JOHN EDEN S BRITTAIN HALL 36 CAMP RD KINGSTON 4 JAMAICA W I	B SC AGR 3 GL 3 1997
MELAS PETER 100 ONTARIO E APT 1112 MONTREAL QUE	M SC 1
MELDRUM DONALD ALASTAIR N DOUGLAS HALL 3132 ANGUS ST REGINA SASK	B SC MDCM 2 VI 5 7796
MELDRUM TERENCE 6753 27TH AVE MONTREAL QUE	B ENG 1 RA 7 2949
MELLEN PETER WILSON 768 SHERBROOKE APT 17 57 STRATFORD RD MONTREAL 29 QUE	B A 4 VI 9 1776
MELLING ARTHUR FREDERICK 662 VICTORIA AVE WESTMOUNT QUE	B ENG 2 HU 1 2197
MELNYK ROMAN PETER 5155 2ND AVE MONTREAL 36 QUE	B A 3 LA 5 7477
MELVILLE ROBERT DOUGLAS 4180 HAMPTON AVE MONTRE AL QUE	B ENG MCH 4 HU 4 5125
MELVILLE STEPHEN DOORLY 2039 MCGILL COLLEGE AVE 3 BRAEMAR AVE KINGSTON 10 JAMAICA W I	B ENG EL 5 VI 2 4566
MELVIN ROBERT ANDREW 3482 MCTAVISH ST MTL PIERSON MANITOBA	GRAD QUAL 1 VI 9 5965
MELZACK JULIAN STEVEN 5055 GLENCAIRN AVE MONTREAL 29 QUE	B A 4
MENASHE EDWARD 1517 MCGREGOR ST MTL 25 4 BAEHLER ST CAIRO EGYPT V A R	B COM 3 WE 7 5831
MENDE GEORGE PETER 6058 SHERBROOKE ST W MONTREAL QUE	B ENG 1 HU 8 5586
MENDE RUSSELL BURTON 1175 RUE ST MARC MTL 13 CARLISLE CT ALBANY N Y USA	B A 3
MENDELL LORNE MICHAEL 635 BELMONT AVE WESTMOUNT QUE	B SC 4 HU 1 7122
MENDELSOHN JUDITH ANNE 5005 MACDONALD AVE APT 15 MONTREAL 29 QUE	H S D DIP 1 HU 8 9428
MENDELSOHN MAXWELL W 10 RENFREW AVE WESTMOUNT QUE	B A 3 HU 4 8130
MENDELSOHN MELVIN 5005 MACDONALD AVE APT 15 MONTREAL QUE	MD CM 4 HU 8 9428
MENDELSON DAVID 617 VICTORIA AVE MONTREAL 6 QUE	M SC 2 HU 4 9074
MENDELSON JOSEPH 617 VICTORIA AVE WESTMOUNT QUE	B SC 4 HU 4 9074
MENDELSON REBEKAH ZIONA 617 VICTORIA AVE WESTMOUNT QUE	B A 4 HU 4 9074
MERCHANT DAVID FRANCIS 8305 BAILLARGE ST APT 6 MONTREAL 5 QUE	B SC 4 CL 9 1450
MERCIER CLAUDE CHRISTIAN 3737 HUTCHISON ST APT 6 1900 AVE ST EDWARD PLESSISVILLE QUE	B ENG MET 4
MEREDITH PATRICIA 5192 DECARIE APT 22 MONTREAL 29 QUE	B A 2 HU 9 5059
MERKEL CARL DAVID 3851 UNIVERSITY ST MTL 160 PARK AVE SARANAC LAKE N Y USA	MD CM 2
MERKLEY GORDON HERBERT 3508 UNIVERSITY ST MTL GLEN SANDFIELD ONT	B D 2
MEROZ JEAN ROBERT C O CHARLES GALL 145 52ND AVE LACHINE QUE	PARTIAL ME 7 1770
MERRICK HOLLIS WARREN 3655 OXENDEN AVE MTL 702 STATE ST CARTHAGE N Y USA	MD CM 1 VI 9 3014
MERRILL CHRISTOPHER JACK 36 CLUB AVE DORION QUE	B SC AGR 1 BE 4 3924
MERRITT JO ANN LORRAINE 70 CHESTERFIELD AVE WESTMOUNT 6 QUE	B SC 1 HU 1 2353
MERSON DOREEN PAULA MACDONALD COLLEGE 5582 NORTHLUC AVE COTE ST LUC QUE	2 TCHRS 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MESSENGER ORVILLE JAMES DOUGLAS HALL 19 GERMAIN ST LEWISVILLE N B	B SC 3 VI 5 7796
MESSER STANLEY BERNARD 4844 FULTON ST MONTREAL QUE	B SC 3 RE 8 4843
MESSIER MICHEL BERNARD 3478 MCTAVISH MONTREAL QUE	B ENG MCH 3 VI 2 7412
MESSING ANNE 6250 DEACON RD MONTREAL QUE	B A 1 RE 8 5365
METTARLIN DANIEL NACHUM 131 FINCHLEY RD HAMPSTEAD QUE	B C L 3 HU 4 8929
MEYER HANS 75 59TH AVE LAVAL DES RAPIDES QUE	B ENG 1 MU 1 1951
MEYER WILLIAM TIMOTHY W 1500 STANLEY ST APT 1017 P O BOX 33 LUSAKA NORTHERN RHODESIA	B SC 2 VI 5 9722
MEZGAILIS KAREN 5205 O BRYAN AVE MONTREAL QUE	B A 2 HU 8 8148
MICAS CHRYSE 680 ABERDARE RD TOWN OF MT ROYAL QUE	B SC 3 RE 7 6758
MICHAEL FRED SEYMOUR 1577 VAN HORNE AVE APT 9 OUTREMONT QUE	M A 1 CR 4 2308
MICHAELS EDWARD LIONEL DOUGLAS HALL 89 EAST ARMOUR HEIGHTS KINGSTON 8 JAMAICA W I	B ENG CIV 5
MICHAELSON DAVID 5390 COOLBROOK AVE MONTREAL 29 QUE	H S D DIP 1 HU 8 4467
MICHALISZYN RICHARD B 6022 DE JUMONVILLE MONTREAL QUE	B ENG CIV 4 CL 9 7751
MICHALSKI JOSEPH EUGENE 2617 MONTGOMERY MONTREAL QUE	B ENG EL 5 LA 4 3146
MICHALSKI STANISLAS 409 VERMONT ST VILLE JACQUES CARTIER QUEBEC	B ENG CIV 3
MICHAUD JACQUES MACDONALD COLLEGE CACOUNA CTE RIV DU LOUP QUE	AGR DIP 2
MICHAUD MARTINE 19 SUNSET OUTREMONT 1223 WILLIAM SILLERY QUE	B L S 1 RE 3 4664
MICHAUD PIERRE AIME 396 STRATHCONA TOWN OF MT ROYAL QUE	B C L 4 RE 8 9857
MICHEL CHRIS CLAUDE 774 CANORA RD TOWN OF MT ROYAL QUE	B ENG 1 RE 1 2874
MICHELIN PAUL EDWARD 4565 KENSINGTON AVE MONTREAL QUE	B COM 4 HU 6 3281
MICHIE GEORGE HAROLD 140 IVANHOE CRES PTE CLAIRE QUE	PH D 2 OX 7 4599
MICHOLUK ROBERT ANTHONY 762 12TH AVE LACHINE QUE	B ENG 2 ME 7 6189

NAME ADDRESS	COURSE & YEAR TEL. NO.
MIDDLEMISS ROBERT W 3549 HUTCHISON ST MTL 9 BANCROFT ST AYLMER QUE	B ENG CIV 5 VI 2 0834
MIDDLETON BRUCE ALFRED BRITTAIN HALL 52 REGINA AVE GREENFIELD PARK QUE	B ED 2
MIDDLETON NOREEN CLARE ROYAL VICTORIA COLLEGE 45 SWALLOW AVE STRATHMORE QUE	B ED 3 VI 2 0334
MIDRIAK ARLEEN MARY MACDONALD COLLEGE 5898 ESPLANADE AVE MONTREAL QUE	2 TCHRS 1
MIECHOWSKY GEORGE JERZY 4750 COURTRAI AVE APT 37 MONTREAL QUE	B ENG CIV 4 RE 9 8723
MIELESZKO PETER 7257 DANTE AVE VILLE ST MICHEL QUE	B ENG 1 RA 8 3113
MILL MARLENE BEATRICE A 335 LETHBRIDGE AVE TOWN OF MT ROYAL QUE	B A 1 RE 8 9128
MILLAR ANDRE STEPHEN 528 PRINCE ARTHUR ST APT 6 MTL 20 MILLAR ST HULL QUE	B C L 1
MILLAR CARLETON 95 GASTON AVE MONTREAL WEST QUE	B ENG CIV 5 HU 4 1309
MILLAR JOHN KEITH ROYAL VICTORIA HOSPITAL 1 DERAMORE PK BELFAST N IRELAND	MED DIP 2 VI 2 1251
MILLARD MICHAEL A J 411 SMART AVE MONTREAL WEST QUE	B ENG CIV 4 HU 4 5021
MILLER ARNOLD 2980 SOISSONS AVE MONTREAL QUE	B C L 2 RE 8 0291
MILLER BARBARA 1328 ST VIATEUR W OUTREMONT QUE	B A 1 CR 1 6361
MILLER BARRINGTON EARL A DOUGLAS HALL 23 GORE TERRACE KINGSTON 10 JAMAICA W I	D D S 2 VI 4 8039
MILLER CAMERON DYMENT 195 DEVON AVE MONTREAL 16 QUE	B A 4 RE 1 6253
MILLER CAROL EVA MACDONALD COLLEGE R R 1 BOX 52 GASPE QUE	3 TCHRS 1
MILLER CAROLYNNE RUTH MACDONALD COLLEGE 651 MOLAND ST SUDBURY ONT	B SC H EC 1
MILLER CATHERINE FORBES MACDONALD COLLEGE 214 SUNNYSIDE AVE ROSEMERE QUE	B SC H EC 1
MILLER DANIEL SHLOIME 6300 LENNOX AVE APT 907 MONTREAL QUE	B C L 3 RE 1 0279
MILLER DAVID GERALD DOUGLAS HALL 125 WILLOW ST CHELSEA 50 MASS USA	B SC 1
MILLER DAVID IRA DOUGLAS HALL P O BOX 1450 NORTH SYDNEY N S	B A 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MILLER DAWN ANN 4488 SHERBROOKE ST W BOX 404 KNOWLTON QUE	MUS B 2 WE 3 5679
MILLER FRANKLIN JUDD 4575 LACOMBE AVE MONTREAL QUE	B ENG EL 5 RE 8 2920
MILLER GEORGE HUGH 950 CARDINAL ST ST LAURENT QUE	B SC MDCM 1 RI 7 8558
MILLER HAROLD 5197 KING EDWARD AVE MONTREAL 28 QUE	GRAD QUAL 1 HU 4 4573
MILLER HAROLD LESLIE 5818 WESTLUKE COTE ST LUC QUE	B COM 1 HU 8 8775
MILLER HEDDA 5900 DOLBEAU ST MONTREAL 26 QUE	B A 2 RE 3 1827
MILLER IRWIN 3050 BRIGHTON AVE MONTREAL QUE	B SC 3 RE 7 8694
MILLER JACK MARTIN 1441 DRUMMOND ST MTL 19 FIFTH ST E CORNWALL ONT	B SC 4 VI 9 4171
MILLER JACK RALSTON 3653 UNIVERSITY MTL 768 ST PAUL THREE RIVERS QUE	B A 4 VI 2 2073
MILLER JESSICA 3550 RIDGEWOOD AVE APT 27 MONTREAL QUE	B L S 1 RE 1 4727
MILLER JOANNE MARGUERITE MACDONALD COLLEGE SUNNY BANK GASPE QUE	2 TCHRS 1
MILLER LORNE SAMUEL 5614 ELDRIDGE AVE COTE ST LUC QUE	B COM 2 HU 8 3585
MILLER MARILYN KATHLEEN ROYAL VICTORIA COLLEGE C O Q N S & L RAILWAY SEPT ILES QUE	B ED PED 4 VI 2 0526
MILLER MARY KENLINE MACDONALD COLLEGE BOX 60 BROME QUE	3 TCHRS 1
MILLER MONROE 3050 BRIGHTON AVE MONTREAL QUE	B SC 2 RE 7 7000
MILLER NORMAN 3483 PEEL ST MTL 21 GREEN ST SALEM MASS USA	B SC 2 VI 2 0882
MILLER NORMAN LOUIS 1978 NORWAY RD TOWN OF MT ROYAL QUE	B ENG EL 3
MILLER NUGENT ARTHUR L 3485 MCTAVISH ST MTL CONFERENCE ST ANDREW GRENADA W I	B A 3 VI 9 0141
MILLER ROBERT 536 CLARKE AVE WESTMOUNT QUE	B ENG MCH 5 WE 2 7208
MILLER RONALD NORMAN 5512 MCLYNN AVE MONTREAL 29 QUE	B ENG 2 RE 7 8307
MILLER SAUL BERNARD 4756 MERIDIAN AVE MONTREAL QUE	B SC 2 HU 1 2115
MILLER SEYMOUR SIMON 4507 MELROSE AVE MONTREAL 28 QUE	B ENG EL 3 HU 6 8345
MILLER STEVE 473 DUFFERIN RD HAMPSTEAD QUE	D D S 1 HU 4 8172
MILLER WILLIAM ALFRED 5539 ROSEDALE AVE MONTREAL 29 QUE	B ENG MET 5 HU 4 5631
MILLETT DAVID REID 3505 SHUTER APT 2 MTL 146 AYLMER AVE OTTAWA 1 ONT	M A 1
MILLEY PAUL S 1456 CHOMEDEY ST MTL 3727 CHILI AVE ROCHESTER 24 N Y USA	MD CM 3 WE 5 7089
MILLICAW ELEANOR C LAIRD HALL 15 MILLER ST CAMPBELLTON N B	B SC H EC 1
MILLIGAN ROBERT FREDERICK 352 OAK AVE ST LAMBERT QUE	B SC 4 OR 1 8278
MILLIGAN SAMUEL JOHN 132 STRATHEARN AVE MONTREAL WEST QUE	B ENG 1 HU 6 3612
MILLION HERBERT ARTHUR 2775 MCCARTHY ST ST LAURENT QUE	M SC 1 RI 7 7996
MILLS ALAN RODNEY 337 ELM AVE MTL 22 CASTLE AVE CARLETON BLACKPOOL ENGLAND	PH D 2 WE 7 1578
MILLS AUBREY A 6430 LEON DEROME ST MONTREAL 5 QUE	B ENG MCH 5 CL 6 1036
MILLS CHRISTIE H J 4519 OLD ORCHARD AVE MONTREAL 28 QUE	B SC 2 HU 8 0921
MILLS DOUGLAS KEITH DEPT OF PSYCHIATRY MTL GENERAL HOSPITAL 720 COOPER ST OTTAWA ONT	MED DIP 3 WE 7 6011
MILLS FRANK WILLIAM 169 CHESTER AVE TOWN OF MT ROYAL QUE	B SC 1 RE 7 2590
MILLS FRED CAMERON 3524 DUROCHER ST MONTREAL 18 QUE	M SC 2 VI 5 6327
MILLS SHELAGH EILEEN MACDONALD COLLEGE 220 LAZARD AVE TOWN OF MT ROYAL QUE	2 TCHRS 1
MILNE DOROTHY JEAN 1280 O BRIEN BLVD ST LAURENT QUE	B SC 1 RI 7 8931
MILNE GEORGE A C 3525 TRENHOLME AVE MONTREAL QUE	B SC 4 HU 1 3245
MILNER JOAN 245 CIRCLE RD ILE BIGRAS QUE	B SC P OT 2 MU 9 1539
MILNER JOHN PETER 2019 STANLEY ST MTL 26 AVE DES PHALENES BRUSSELS BELGIUM	B C L 2 VI 5 8561
MILNER ROBERT GORDON H 3506 UNIVERSITY ST MTL 2 P O BOX 29 KINGSTON 8 JAMAICA W I	B COM 2 VI 4 0624
MILNES GASKELL THOMAS DOUGLAS HALL MOOR HOUSE FARM HELPERBY YORK ENGLAND	B COM 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MILSOM HORACE NEVILLE 1839 LINCOLN AVE APT 9 293 SHEPHERD ST SARNIA ONT	B ENG CH 3
MINNS GODFREY NIGEL 3536 DUROCHER ST APT 14 P O BOX 1358 NASSAU BAHAMAS	B ENG EL 4 VI 4 0717
MINTZBERG HENRY 46 COURCELETTE AVE MONTREAL 8 QUE	B ENG MCH 5 CR 2 0496
MIRABILE CHARLES SAMUEL 3465 PEEL ST MTL 34 MOUNTAIN RD FARMINGTON CONN USA	MD CM 2
MIRCHANDANI AJIT PROF J K MACHIJANI U N EXPERT F A O ROME ITALY	B ENG MCH 5
MIRMAN BENTON SAMUEL 6100 WILDERTON AVE APT 10 MONTREAL 26 QUE	B SC 1 RE 8 8916
MIRZA CAMERAN BRITTAIN HALL MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 4 GL 3 1997
MIRZA IZHARUDDIN AHMED 3360 COTE STE CATHERINE APT 16 MTL 52 GWYN THOMAS RD RAWALPINDI CANTT WEST PAKISTAN	PH D 2 RE 1 4279
MIRZA MUHAMMAD SAEED 3655 JEANNE MANCE ST MONTREAL QUE	M ENG 1 VI 5 1345
MISHKIN FAY 6200 CLANRANALD AVE MONTREAL QUE	B SC N 1 RE 3 4504
MISHKIN SEYMOUR 6200 CLANRANALD AVE MONTREAL QUE	B SC 4 RE 3 4504
MISIASZEK STELLA EMILY 2149 ST JUST ST MONTREAL 5 QUE	B SC 2 CL 5 5029
MISRA RAGHUNATH PRASAD JEWISH GENERAL HOSP 1A MADAN MITTER LANE CALCUTTA 6 INDIA	M SC 1 RE 8 1131
MITAREWSKI WALTER WILLIAM ST ANNES HOSPITAL STE ANNE DE BELLEVUE QUE	MED DIP 1
MITCHELL ENID MADELEINE STEWART HALL 588 COTE ST ANTOINE RD WESTMOUNT QUE	B SC H EC 2 GL 3 1880
MITCHELL HARVEY 2575 BARCLAY AVE MONTREAL QUE	B ENG CH 5 RE 3 5409
MITCHELL HEGGS RAYMOND C 3484 DUROCHER APT 204 88 HARLEY ST LONDON ENGLAND	B A 2 VI 4 6980
MITCHELL HOPE MACDONALD COLLEGE 7425 STUART ST MONTREAL 15 QUE	3 TCHRS 1
MITCHELL IVOR DALMAIN 33 ST GOERGES STE ANNE DE BELLEVUE QUE	B SC AGR 1
MITCHELL JAMES WALLACE 456 PINE AVE W R D 3 MEXICO NEW YORK USA	MD CM 1
MITCHELL JANE ELLEN 3787 COTE DES NEIGES RD APT 105 MONTREAL 25 QUE	B N 2 WE 3 3271
MITCHELL JEAN ELIZABETH ROYAL VICTORIA COLLEGE 71 ELGIN ST GRANBY QUE	B SC 3 VI 2 0495
MITCHELL KENNETH BRYAN 3557 LORNE AVE MTL 9 WESTLAKE AVE KINGSTON 10 HALF WAY TREE JAMAICA W I	B ENG CIV 3 VI 3 5868
MITCHELL SHARON RUTHE STEWART HALL 445 GALLAND BLVD APT B A DORVAL QUE	B ED 2
MITCHELL WILLIAM F MACDONALD COLLEGE 45 DUNDAS RD QUELPH ONT	2 TCHRS 1
MITELMAN LESLIE 5745 COOLBROOK AVE MONTREAL QUE	B ENG EL 5 RE 3 8868
MIYAZAKI REIKA 5171 10TH AVE MONTREAL 36 QUE	MUS B 4
MIZENER BARBARA ANN MACDONALD COLLEGE 256 BETOURWAY AVE ST LAMBERT QUE	B SC H EC 1
MODE DRUMMOND STUART 14 GLENMORE RD HAMPSTEAD QUE	B A 2 HU 6 5117
MODE MARILYN J 14 GLENMORE RD HAMPSTEAD QUE	B SC P OT 3 HU 6 5117
MOFFET GORDON BRUCE BRITTAIN HALL 75 STRATHCONA DR MONTREAL 16 QUE	B SC AGR 1
MOFFET THOS H 75 STRATHCONA DR TOWN OF MT ROYAL QUE	B ENG EL 3 RE 8 5881
MOHAMMED ASHMEAD ALI 3546 LORNE AVE APT 5 MONTREAL QUE	B SC 3 VI 5 6908
MOHAN GORDON SCOTT 3567 SHUTER ST APT 5 MONTREAL 18 QUE	B SC 4 VI 4 5401
MOHR WILHELM 3564 DUROCHER MTL GORDONSTOWN SCHOOL ELGIN MORAY SCOTLAND	B COM 2 VI 4 1295
MOK CHI CHING MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 3
MOK KWOK LEUNG RICHARD 3532 LORNE AVE APT 2 MTL 302 SAI YEUNG CHOI ST 1ST FLOOR KOWLOON HONG KONG	B ARCH 3
MOKKHAVESA SUPRIJA DOUGLAS HALL 112 SUKUMVIT RD KLONG TAN 2 BANGKOK THAILAND	MD CM 1
MOLCHAN JOSEPH 4278 DORCHESTER ST W MONTREAL QUE	B ARCH 4 WE 5 6098
MOLDOFSKY NAOMI 201 METCALF APT 909 WESTMOUNT QUE	M A 1 WE 2 5719
MOLLENTHIEL GUY NORBERT 1547 MCGREGOR MTL 97 JOHN BROWN AVE PORT AU PRINCE HAITI	B ENG EL 5 WE 3 0394
MOLLER PAUL SANDNER 3583 UNIVERSITY APT 4 BOX 95 FRUITVALE B C	M ENG 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MOLNAR ZOLTAN 3630 HUTCHISON ST APT 5 MONTREAL QUE	B ENG CIV 3 VI 5 9524
MOLSON ROBERT OWEN 3651 OXENDEN AVE MTL C O MR REGINALD O MOLSON 1249 W 32ND AVE VANCOUVER B C	B ENG PHY 3 VI 5 3538
MOLSON WALTER PATERSON 3187 ST SULPICE RD MONTREAL 6 QUE	B A 3
MONK EVELYN HELEN 498 KENASTON AVE MONTREAL 16 QUE	B SC N 1 RE 1 5915
MONKEWICH OSTAP 6605 20TH AVE APT 11 MONTREAL 36 QUE	B ENG EL 4 RA 8 5121
MONTANDON MARIANNE E ROYAL VICTORIA COLLEGE R R 1 BEDFORD QUE	B ED 4 VI 9 0120
MONTEITH IAN GILCHRIST 1441 DRUMMONT ST RM 505 37 AYLESBURY RD ISLINGTON ONT	B COM 2 VI 9 4171
MONTGOMERY DOROTHY ERMA MACDONALD COLLEGE SOUTH DURHAM QUE	B ED 2
MONTGOMERY ELEANOR ANNE ROYAL VICTORIA COLLEGE 12 RIDGEFIELD RD TORONTO 12 ONT	B A 3 VI 2 0526
MONTGOMERY GEORGE F BRITTAIN HALL 4688 WESTMOUNT AVE WESTMOUNT 6 QUE	B SC AGR 2 GL 3 1997
MONTGOMERY HUGH WILLIAM MACDONALD COLLEGE 668 GROSVENOR AVE WESTMOUNT QUE	B SC AGR 4 GL 3 1828
MONTGOMERY JOAN AUDREY MACDONALD COLLEGE SOUTH DURHAM QUE	2 TCHRS 2
MONTH MELVIN 4870 PLAMONDON APT 8 MONTREAL QUE	M SC 1 RE 1 5289
MONTOUTE RONALD ANTHONY F 493 SHUTER ST APT 8 MTL THE MORNE CASTRIES ST LUCIA W I	B ENG EL 4 VI 9 1925
MONTREUIL HELENE EVE B 348 REDFERN AVE WESTMOUNT QUE	B A 2 WE 3 9697
MOODIE DAVID THOMSON DOUGLAS HALL 2980 NEREE BEAUCHEMIN TROIS RIVIERES QUE	B ENG 1
MOON DOUGLAS HAMILTON 293 MORRISON AVE MONTREAL 16 QUE	B ENG 2 RE 8 1310
MOON TREVOR TERRENCE 3851 UNIVERSITY ST MTL 18 CORONATION DR NITRO QUE	B SC 1
MOONEY BEVERLEY SANDRA A LAIRD HALL 3790 COTE DES NEIGES RD MONTREAL 25 QUE	2 TCHRS 2 WE 5 8089
MOONEY JOSEPH CHARLES P 1224 BISHOP ST MTL 2317 DUFFERIN AVE SASKATOON SASK	B SC 2
MOORE AUBREY GEORGE 5423 MACDONALD AVE MONTREAL QUE	S T M 2 HU 4 8019
MOORE COLLEEN RAE 526 MERCIER ST ST JOHNS QUE	GRAD DIP 1
MOORE DOUGLAS EDWARD BOX 1 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B ENG EL 5
MOORE JEAN ANN ROYAL VICTORIA COLLEGE NEW SHEDIAC RD LEWISVILL MONCTON N B	B SC 2 VI 2 0265
MOORE JOHN FRANCIS 475 PINE AVE MTL 57 WINDSOR AVE LONDON ONT	B COM 4 VI 4 4270
MOORE JOYCE BARBARA 3610 DUROCHER ST APT 19 BOX 6 WEST SWANZEY NEW HAMPSHIRE USA	MD CM 2 VI 9 9770
MOORE MARGARET ELIZABETH 2330 MADISON AVE MONTREAL 28 QUE	B A 3 HU 6 4051
MOORE MARLENE JOAN ROYAL VICTORIA COLLEGE 830 ARGYLE ST REGINA SASK	B A 3 VI 2 0847
MOORE MARY ANNE 420 CLARKE AVE WESTMOUNT QUE	B SC P OT 1 WE 7 2417
MOORE NANCY CAROLINE 136 WICKSTEED AVE MONTREAL 16 QUE	B A 1 RE 3 3811
MOORE RICHARD ARTHUR 1879 DORCHESTER ST W MONTREAL QUE	B ED FED 4 WE 7 7592
MOORE ROBERT BRUCE 3440 SHUTER ST APT 50 MONTREAL QUE	PH D 4 VI 9 5014
MOORE ROBERT G 3467 PEEL ST APT 3 MTL 120 LAKEWAY DR OTTAWA 2 ONT	B A 2 VI 2 7046
MOORE RONALD JAMES 4089 OXFORD AVE MTL 399 BOURBEAU ST GRANBY QUE	B A 1 HU 4 0732
MOORE SANDRA JEAN ROYAL VICTORIA COLLEGE STANSTEAD QUE	B A 4 VI 2 0327
MOORHOUSE PHYLLIS JUDITH 4611 MAPLEWOOD AVE MONTREAL 26 QUE	B ED 3 RE 8 4274
MOO YOUNG ALFRED JOSEPH BOX 24 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 2
MORDEN KENNETH ROBERT 3581 UNIVERSITY ST MTL 15 GRANITE ST COPPER CLIFF ONT	B COM 3 VI 9 1368
MOREITHI ISAAC F H 1441 ST MATTHEW ST MTL P O BOX 142 NYERI KENYA E AFRICA	M A 1 WE 7 1653
MORGAN GRAHAM CHARLES C 135 FIELDFARE AVE BEAUREPAIRE QUE	B ENG 2 OX 5 6403
MORGAN JAMES EBENEZER 5777 COTE ST LUC APT 1 HAMPSTEAD QUE	PH D 3 HU 7 0832
MORIARTY DANIEL LARRY 3581 SHUTER ST MTL 383 NOTRE DAME N THETFORD MINES QUE	B ENG CIV 4 VI 5 1777

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MORIMOTO TOMEKICHI 538 PRINCE ARTHUR ST W 26 1 CHOME SHIRONOUCHI DORI NADA KO KOBE JAPAN	GRAD QUAL 1 VI 9 0674
MORIN CLAUDE LUCIEN J 215 KINDERSLEY TOWN OF MT ROYAL QUE	GRAD QUAL 1 RE 7 2535
MORIN JACQUES 221 OUTREMONT AVE OUTREMONT QUE	B SC 2 CR 2 4372
MORIN MARTHA JILL ROYAL VICTORIA COLLEGE LACOLLE QUE	B SC 2 VI 2 0180
MORISSETTE JACQUES LEO 1456 FORT ST WSTMT 717 THIRD AVE VAL D OR QUE	B ENG 2 WE 5 0189
MORISSETTE SARTO 2563 ROSEMONT BLVD MTL 332 O MEARA ST THETFORD MINES QUE	B ENG EL 4 RA 7 5503
MORRELL GAIL BARBARA 1175 BEAULIEU ST ST LAURENT QUE	B A 1 RI 7 7992
MORRELL RODNEY JOHN 1730 DEPATIE AVE MONTREAL 9 QUE	B ENG AM 3 FE 4 5506
MORRIS BARBARA JOYCE 721 STUART AVE MONTREAL QUE	B A 2 CR 1 7232
MORRIS KEITH DESMOND ST C 2155 PRUD HOMME APT 34 HIGHGATE JAMAICA W I	D D S 2 HU 9 0521
MORRIS KENNETH MICHAEL 410 BRIXTON ST LAMBERT QUE	B ENG CH 3 OR 1 4934
MORRIS LEESON RANDAL 2125 BLEURY ST MTL PENNANTS PIA CLARENDON JAMAICA W I	B SC 2 AV 8 9819
MORRIS LENNOX CEDRIC S 3574 SHUTER ST MTL 13 ANNE AVE DIEGO MARTIN TRINIDAD W I	B SC 2
MORRIS MARGARET DOREEN 4914 DECARIE BLVD APT 5 MONTREAL QUE	GRAD QUAL 1 HU 8 0240
MORRIS MARGARET GAYE 851 ROLLAND AVE VERDUN QUE	B A 3 PO 7 5486
MORRIS MARY ELLEN FRANCES 1 ELLENDALE RD APT 27 HAMPSTEAD 821 DAWSON RD WINDSOR ONT	MED DIP 1 HU 8 1886
MORRIS ROGER ST ELMO D C 3679 JEANNE MANCE ST MTL ST ELMS PINFOLD ST BARBADOS T W I	B COM 4 VI 5 8825
MORRIS SHIRLEY E ROYAL VICTORIA COLLEGE 125 FIRST ST EAST CORNWALL ONT	B SC 2 VI 2 0495
MORRIS STANLEY PHILIP 721 STUART AVE OUTREMONT 8 QUE	PH D 2 CR 9 2966
MORRISON ANTHONY D 3851 UNIVERSITY ST MTL 3666 MARINE DR WEST VANCOUVER B C	MD CM 2 VI 4 0977
MORRISON ERNEST HUGH 381 GROSVENOR AVE WSTMT R R 6 LACHUTE QUE	B COM 2 WE 7 2529
MORRISON HUNTLY FRANK 5975 N D G AVE MONTREAL 28 QUE	M SC 2 HU 4 6688
MORRISON KEITH INGLIS 3425 HUTCHINSON ST MTL 7 CENTRAL RD KENCOT HALF WAY TREE P O KINGSTON JAMAICA W I	B A 4 AV 8 8859
MORRISON PETER ALEXANDER 334 DESAULNIERS BLVD ST LAMBERT QUE	B ENG 1 OR 1 7853
MORRISON SANDRA MARY 7087 CHESTER AVE MONTREAL 29 QUE	2 TCHRS 1 HU 6 0640
MORROW CHRISTINA LOUISE MT BRUNO COUNTRY CLUB RD ST BASILE LE GRAND QUE	B A 1
MORROW ROBERT I 1 EAST COTTAGE MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PARTIAL GL 3 2026
MORSE GWENDOLYN D ROYAL VICTORIA COLLEGE 216 METCALFE ST APT 20 OTTAWA ONT	B A 3
MORSE MARY 3607 PARK AVE MTL LANGETTS HOUSE NR LYDNEY GLOUCESTERSHIRE ENGLAND	M S W 2 VI 3 6629
MORSE THOMAS NICOLAS T 3581 UNIVERSITY ST MTL 828 S CHARUK ST WEST CHESTER PA USA	B ENG CH 4 VI 9 1368
MORTON BRIAN CHRISTOPHER 424 SHERBROOKE ST W APT 37 MTL 1707 HOLLY ST N W WASHINGTON 12 D C USA	B SC MDCM 2
MORTON CAROLA 3528 VENDOME AVE MONTREAL QUE	PARTIAL HU 1 6175
MORTON DAVID DUDLEY 2817 ST EMILE ST MONTREAL QUE	B SC 1 CL 6 1852
MORWICK DONALD WILLIAM BRITTAIN HALL 247 IRVING AVE OTTAWA 3 ONT	B SC AGR 1
MOSCOVITCH ALAN BRAM 1095 DU RUISSEAU ST LAURENT QUE	B SC 2 FE 1 0539
MOSCOVITCH CAROLE SUE 4782 MAPLEWOOD AVE MONTREAL QUE	B A 3 RE 9 2936
MOSCOVITCH HENRY 3029 ST SULPICE RD MONTREAL QUE	B A 3 WE 7 3254
MOSCOVITZ JUDITH 4614 WILSON MONTREAL QUE	B A 3 HU 6 7916
MOSCOVITZ WALTER 7085 CHESTER AVE MONTREAL 28 QUE	B SC 2 HU 9 2677
MOSCOWITZ GARY 4660 DUPUIS AVE APT 5 MONTREAL 26 QUE	B C L 3 RE 9 6720
MOSELEY COLIN FREDERICK 170 HIGHFIELD AVE TOWN OF MT ROYAL QUE	B SC 3 RE 8 1382
MOSELEY SHERRILL MELODIE 170 HIGHFIELD AVE MONTREAL 16 QUE	B SC 1 RE 8 1382

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
MOSHER PETER BARRIE 4626 EARNSCLIFFE AVE MTL 97 CENTRE ST ALEXANDRIA ONT	HU 6 1768	B SC 2
MOSHER THOMAS F DOUGLAS HALL COEYMANS N Y USA	VI 5 3728	MD CM 3
MOSHONAS ANDREW 2505 PROVOST ST LACHINE QUE	ME 7 4153	2 TCHRS 1
MOSHONAS MARINA ANGELA MACDONALD COLLEGE 771 37TH AVE LACHINE QUE		B ED 2
MOSKOVIC ROBERT 5806 SOMERLED AVE MONTREAL QUE	HU 6 3049	B ENG 1
MOSLEY GEORGE EDWARD 3773 BELAIR ST VILLE ST MICHEL QUE	RA 1 7115	B SC 1
MOSS BARBARA 5607 ALPINE COTE ST LUC QUE	HU 1 7494	B A 1
MOSS CAROL LISA 5721 WESTMINSTER MONTREAL QUE	HU 6 8694	B SC 3
MOSS FREDERICK ALAN 5050 WALKLEY AVE MONTREAL 29 QUE	HU 4 8081	B COM 2
MOSS LEWIS MAYER 3483 PEEL ST MTL 39 STETSON ST BROOKLINE MASS USA	VI 2 0882	B SC 2
MOSSE LAWRENCE 582 CREVIER ST ST LAURENT QUE	RI 8 9196	B ENG 1
MOTHERWELL IAN GEORGE 4326 MONTROSE AVE MONTREAL 6 QUE	WE 5 4774	B COM 2
MOUAT MAGNUS CHARLES H BOX 117 MACDONALD COLLEGE GRASSLANDS DIVN D S I R P B PALMERSTON NORTH N Z		PH D 2
MOUGEOT JACQUES BERNARD 12323 N D DES ANGES MONTREAL QUE	FE 4 5258	B SC 1
MOULAND ALBERT DOUGLAS 3508 UNIVERSITY ST MTL BOX 211 BONAVISTA NFLD	VI 5 4873	B D 2
MOUNT GRAEME S 39 BRYNMOR AVE MONTREAL WEST QUE	HU 8 7078	B A 4
MOUNT JOHN HAMILTON 39 BRYNMOR AVE MONTREAL WEST QUE	HU 8 7078	B SC 1
MOURATIDES ANASTASIO P O BOX 1054 STN B MTL ATHENS GREECE	VI 4 8596	M A 1
MOURATIDES ANASTASIO P O BOX 1054 STN B MTL ATHENS GREECE	VI 4 8596	PH D 2
MOWAT FRANCES ELIZABETH ROYAL VICTORIA COLLEGE 15 PARK ST W COPPER CLIFF ONT	VI 2 0477	B SC 4
MOWAT WILLIAM MICHAEL 3449 SHUTER ST APT 9 MONTREAL QUE	VI 3 5560	B A 3
MOYAL GEORGES JOSEPH D 802 DOLLARD AVE MONTREAL 8 QUE	CR 6 4501	B SC 1
MUBARAK NASRELDIN 3492 DUROCHER ST APT 3 MONTREAL 18 QUE		PH D 3
MUCENIEKS PLUME IZOLDE E 1565 OUIMET ST APT 46 VILLE ST LAURENT QUE	RI 4 5914	B A 1
MUHLSTOCK BRAHM H 1785 VAN HORNE AVE OUTREMONT QUE	RE 8 6917	B SC 3
MUI JEFFREY YICK PUI 5175 SHERBROOKE ST W MTL 59 BONHAM RD 1ST FLOOR HONG KONG	HU 9 9541	B SC 3
MUIR WILLIAM RUSSEL 4640 DOHERTY AVE MONTREAL 28 QUE	HU 4 2580	B A 4
MUKHERJI SAANKAR KUMAR 529 PRINCE ARTHUR ST W 18 PADDA PUKUR LANE CALCUTTA 20 INDIA	VI 4 0804	M SC 1
MULDNOVICH ROBERTO L 3413 HUTCHISON ST MTL REPUBLICA DE CHILE 268 LIMA PERU S AMERICA	AV 8 3018	M ARCH 1
MULJANA BERNARDUS S 3424 DRUMMOND ST MTL MR ADIPRANOTO KAP KALASAN POS KALASAN DJOGJAKARTA INDONESIA	VI 4 0659	M A 1
MULLAN ELSIE KATHLEEN 3453 WAKLEY AVE MONTREAL 28 QUE	HU 6 6468	2 TCHRS 1
MULLER FRANCK JEAN ROGER 239 WILLOWDALE AVE MONTREAL 26 QUE	RE 7 3205	B ENG 2
MULLER THOMAS ETTERY 5545 COTE ST LUC RD APT 42 MONTREAL QUE	HU 8 7957	PH D 2
MULLONEY BRIAN CLAYTON 546 MILTON ST MTL 93 FRANKLIN ST LEE MASS USA	VI 2 5936	B SC 2
MUMBY LYNN WILLIAM 1575 BEAUDET ST ST LAURENT QUE	RI 7 4038	B ENG MCH 4
MUNKITTRICK DALE EDWARD HUT B 18 MACDONALD COLLEGE 41 BELVEDERE ST LENNOXVILLE QUE		P E DIP 2
MUNOZ STANLEY R 4699 ST URBAIN ST MTL R R 1 KELOWNA B C	VI 2 2877	B A 4
MUNOZ MONTENEGRO EDGAR DOUGLAS HALL ALAJUELA COSTA RICA		B ENG 1
MUNRO ELIZABETH ANN 570 MILTON ST APT 5 MONTREAL QUE	VI 3 5766	MED DIP 2
MUNRO IAN C MACDONALD COLLEGE R R 2 RICHMOND ONT		B SC AGR 3
MUNRO JAMES ALBERT 779 UPPER BELMONT AVE WESTMOUNT QUE	HU 6 4755	B COM 3
MUNRO LYALL JESSE 3575 JEANNE MANCE ST MTL 94 ST MAURICE AVE NORANDA QUE	AV 8 7703	B COM 2
MUNRO SANDRA MAY LAIRD HALL 3683 VERDUN AVE VERDUN QUE	PO 8 1224	2 TCHRS 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
MURCHISON WILLIAM T 3434 MCTAVISH ST MTL L M CAMPOS 1700 BS AS ARGENTINA	B COM 2 VI 2 4492
MURDOCK ALAN IRVING 406 PINE AVE APT 61 MTL 651 ISLAND PARK DR OTTAWA ONT	MD CM 2 VI 9 6427
MURER UNNI 3558 LORNE AVE APT 6 MONTREAL QUE	PARTIAL VI 5 4396
MURPHY DANIEL JOSEPH 3431 DRUMMOND MTL 410 HINTON AVE OTTAWA ONT	B ENG CIV 5 VI 9 0243
MURPHY EARL BRYAN 6743 ST DOMINIQUE ST MONTREAL QUE	B ARCH 4 CR 6 1248
MURPHY GERARD FRANCIS 76 GRAHAM BLVD TOWN OF MT ROYAL QUE	MD CM 1 RE 9 2643
MURPHY JEFFREY THOMAS BRITTAIN HALL CALUMET QUE	P E DIP 2
MURPHY KATHLEEN LOUISE 65 SUMMERHILL AVE VALOIS PTE CLAIRE QUE	2 TCHRS 1 OX 7 1546
MURPHY TERRY GORDON 3509 HUTCHISON ST APT 502 MTL C O WILLROY MINES MANITOUWADGE ONT	B COM 2
MURRAY BRIAN LAMBERT BRITTAIN HALL 261 ELLIS AVE TORONTO 3 ONT	B SC AGR 2
MURRAY DONALD JOSEPH JOHN 1581 MCGREGOR MTL 160 CRARY AVE BINGHAMTON N Y USA	D D S 2
MURRAY MARGARET E MACDONALD COLLEGE 5 DECARY PL DORVAL QUE	HDICRAFTS 1
MURRAY PAMELA ANN ROYAL VICTORIA COLLEGE BOX 36 SEROE COLORADO ARUBA NETHERLANDS ANTILLES	B A 2 VI 2 0144
MURRAY SHIRLEY YVONNE 1155 SECOND AVE VERDUN QUE	MD CM 4 PO 9 5268
MURRO SERAFINA SARA 7600 CARTIER APT 3 MONTREAL QUE	B A 4 RA 8 5439
MUSCHENHEIM FREDERICK 3610 DUROCHER ST MONTREAL QUE	MD CM 2 AV 8 4986
MUSER CYNTHIA ROYAL VICTORIA COLLEGE 520 E 86TH ST NEW YORK N Y USA	B A 2 VI 2 0833
MUSGRAVE MOYRA LOUISE K 344 LABONTE AVE LONGUEUIL QUE	B SC 1 OR 4 8180
MUSHTAQ MOHAMMAD 5827 WOLSELEY AVE MONTREAL QUE	B ENG 1 HU 4 5924
MUSSELLS BROCK ROBERTSON 3491 ATWATER AVE APT 25 MONTREAL QUE	M S W 1 WE 7 7562
MUTSO REIN ROMAN 7319 LASALLE BLVD VERDUN QUE	B ENG 2
MUUL HEITI 15 LAURELWOOD AVE PTE CLAIRE QUE	B SC 2 OX 5 6323
MYERS ALLAN STEPHEN 5757 NORTHMOUNT AVE MONTREAL QUE	B A 1 RE 8 3722
MYERS BEVERLY ANN 4854 HARVARD AVE MONTREAL QUE	MD CM 4 HU 4 1966
MYERS CURTIS C MACDONALD COLLEGE C O POWER STATION CASTRIES ST LUCIA T W I	B SC AGR 4
MYERS EDYE DIANE 511 ROSLYN AVE MONTREAL QUE	B A 1 WE 7 4419
MYERS HERBERT ROSS 4626 ROSEDALE AVE MONTREAL QUE	B ENG 1 HU 4 1580
MYERS MARILYN FRANCES 4550 GRAND BLVD APT 15 MONTREAL QUE	B A 4 HU 8 7357
MYERSON EILEEN JUNE 553 CHAMPAGNEUR OUTREMONT QUE	B A 4 CR 1 9740
MYLES MARY MARINA C 48 UNION BLVD ST LAMBERT QUE	B SC 1 OR 1 4261

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NA CHIENGMAI CHAO P 3587 UNIVERSITY ST MTL 206 196 LAMPOON RD CHIENGMAI THAILAND	GRAD DIP 2 VI 5 3789
NA CHIANGMAI PRABHA 3428 PEEL ST MTL 28 YENARGAS RD BANGKOK THAILAND	B N 2 VI 9 3937
NADAKATTIN MUKTA 456 PINE AVE MTL MISSION HOSP GADAG BETGERI DIST DHARWAR INDIA	GRAD DIP 1
NADEL ERNEST 420 LAZARD AVE TOWN OF MT ROYAL QUE	B A 1 RE 1 1310
NADEL LYNN 3506 UNIVERSITY ST MTL 162 41 POWELLS LOVE BLVD WHITESTONE 57 N Y USA	B SC 2 VI 6 0624
NADEL MARTIN ALLAN 2804 WILLOWDALE MONTREAL QUE	B COM 2 RE 8 3051
NADI BEKELE 3515 UNIVERSITY ST APT 2 MTL C O ATO NADI EDEH BOX 3156 ADDIS ABABA ETHOPIA	B C L 3 AV 8 1966
NADLER LINDA 5566 ALPINE AVE MONTREAL 29 QUE	B ED 3 HU 8 5729
NADLER PAUL 434 MORRISON AVE TOWN OF MT ROYAL QUE	B A 1 RE 8 3003
NADOR STEVEN 5370 MACDONALD AVE APT 210 MONTREAL QUE	B ENG 2 HU 8 6651
NAGARAJAN RAMAKRISHNAN 3583 DUROCHER ST APT 6 MONTREAL QUE	PH D 4 VI 9 0678

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NAME ADDRESS	COURSE & YEAR TEL. NO.
NAGY KRISZTINA 6650 40TH AVE APT 4 MONTREAL 36 QUE	B SC 3 RA 9 3794
NAGYLAKI THOMAS ANDREW 3360 RIDGEWOOD APT 28 MONTREAL QUE	B ENG 1 RE 3 1514
NAIMAN JUDITH HARRIET 3445 VENDOME MTL 78 SHIELDS AVE TORONTO ONT	M S W 2 HU 6 6090
NAIMER GORDON 575 GLENGARRY AVE APT 104 TOWN OF MT ROYAL QUE	B A 2 RE 8 2706
NAIMER VIVIAN REVA 6072 WILDERTON AVE MONTREAL 26 QUE	3 TCHRS 1 RE 8 9058
NAKAJIMA SHINSHU 624 W PRINCE ARTHUR ST 160 NEKOZANE URAYASU CHIBA KEN JAPAN	PH D 2
NARAIN MARGARET ROYAL VICTORIA COLLEGE 125 BARRACK ST GEORGETOWN BRITISH GUIANA S A	B SC P OT 2 VI 2 0265
NARANG VED PRAKASH 631 MILTON ST APT 10 9 NEMI RD DEHRA DUN U P INDIA	PH D 2 VI 2 0121
NARBONNE RENE JEAN ANDRE 11872 SUZOR COTE ST MONTREAL QUE	B ENG CH 5 FE 4 1047
NARWANI KISHORE PARSRAM C O ST MARY S HOSPITAL LACOMBE AVE MONTREAL QUE	MD CM 3
NASADIUK NICOLAI 3459 DRUMMOND ST MTL 594 DAVENPORT RD TORONTO 4 ONT	L L M 1
NASEER SYED MOHAMED 3701 PEEL ST APT 12 MTL C O K B S M MANSOOR DUDHPUR ALIGARH INDIA	M A 2 VI 5 9795
NASMITH ALICE JOAN MACDONALD COLLEGE 14 SPRINGFIELD WESTMOUNT QUE	3 TCHRS 1
NASSERY ABDULLAH DEPT OF GEOLOGICAL SCIE FACULTY OF SCIENCE KABAL AFGHANISTAN PAKISTAN	PARTIAL
NASSTROM JAMES GUNNAR 175 EIGHTH AVE LASALLE QUE	B ENG 1 DO 5 0546
NATHAN PETER STEVEN 3424 DRUMMOND ST APT 6 P O BOX 3587 MANILA PHILIPPINES	B A 3
NATHANS ARLENE SHEILA 6243 DE VIMY AVE MONTREAL QUE	B A 2 RE 9 9148
NATHANSON BEVERLY ANN 5500 BRADFORD PL MONTREAL 26 QUE	B A 2 RE 7 3563
NATHANSON MARTIN MAURICE 6297 MACDONALD AVE MONTREAL QUE	B SC 4
NATHOO ZAINAB 18 ALLARD AVE DORVAL QUE	D D S 3
NAUGLER FREDERIC PAIST 3506 UNIVERSITY ST MTL 2 165 TERRACE DR SAN FRANCISCO 27 CALIF USA	B SC 4 VI 4 0624
NAVARAT TANOCHIT 3677 PEEL ST MTL 178 SOACHINGCHA BANGKOK THAILAND	GRAD DIP 2 VI 4 4140
NAVIS GORDON JOHN M 475 PINE AVE W MTL 67 WANLESS CRES TORONTO 12 ONT	B ENG 1 VI 4 4270
NEASMITH GORDON NEIL MACDONALD COLLEGE 4691 DE TONTY ST MONTREAL QUE	2 TCHRS 1
NEBELSIECK ASTRID 20 MAPLE AVE STE ANNE DE BELLEVUE QUE 20A CELLE HAN DORNBERGST 12 GERMANY	2 TCHRS 2
NEBESAR BORIS 3650 MOUNTAIN ST APT 505 MONTREAL 25 QUE	M SC 3 VI 9 7988
NEEDHAM HAROLD GEORGE BRITTAIN HALL 106 CHANOINE SCOTT ST FOY QUE	B ED 2
NEEDLER GEORGE TREGLOHAN 2177 ST LUKE ST MTL PACIFIC BIOLOGICAL STN NANAIMO B C	PH D 3 WE 5 1089
NEGRU LENA 4071 GREY AVE MONTREAL QUE	M S W 1 HU 4 3231
NEIL GRAHAM IVAN 3508 UNIVERSITY ST MTL R R 1 GRANBY QUE	B ED PED 3 VI 9 2042
NEIL JOAN CAROL MACDONALD COLLEGE R R 1 GRANB QUE	P E DIP 1
NEIL MELVIN ALLEN BRITTAIN HALL R R 1 GRANBY QUE	P E DIP 1
NEIMAN BRENDA BONNIE STEWART HALL 714 MCEACHRAN AVE OUTREMONT QUE	2 TCHRS 2
NEJEDLY PETER THOMAS 8940 LUMSDEN ST MONTREAL QUE	B ENG EL 5 DU 1 6804
NELSON GEORGE ROBERT D 407 TIFFIN RD ST LAMBERT QUE	B ENG 1 OR 1 4645
NELSON ROBERT JAMES 1547 MACGREGOR ST MTL 81 TREMOY RD NORANDA QUE	D D S 1 WE 7 0059
NELSON RONALD 621 19TH AVE LACHINE QUE	B SC AGR 1 ME 7 6994
NELSON SHERRILL ANN 648 ROSLYN AVE WESTMOUNT QUE	B A 1 HU 1 1524
NEMEC LUDMILA ROSALIE 367 TAIT VILLE ST LAURENT QUE	B A 2 RI 4 2412
NEMES ERVIN LASZLO RESIDENTS QUARTER RM 251 JEWISH GENERAL HOSPITAL MONTREAL QUE	MED DIP 2 RE 8 1131

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NAME ADDRESS	COURSE & YEAR TEL. NO.
NEMETZ HAROLD 4000 BOUCHETTE APT 9 MTL 117 NO GALE DR BEVERLY HILLS CALIF USA	D D S 3 RE 3 5552
NEMIROFF GERALD 740 WILDER AVE OUTREMONT QUE	B SC 2 RE 9 9991
NEPTUNE SHEILA YVONNE STEWART HALL 113 1ST ST SAN JUAN TRINIDAD W I	B SC H EC 2
NERENBERG MORTON ABRAHAM 4720 DUPUIS AVE APT 10F MONTREAL QUE	PH D 4 RE 3 9131
NESBITT ARTHUR HUGH G 3243 WESTMOUNT BLVD MONTREAL QUE	B C L 1 WE 5 1376
NESBITT ARTHUR R 3269 CEDAR AVE WESTMOUNT QUE	B A 4 WE 2 0205
NESS JOHN WILSON DOUGLAS HALL ROWALLAN BARNTON AVE BAINBURGH 4 SCOTLAND	B COM 1
NESTER STAN 4972 LACOMBE MONTREAL QUE	B A 3 RE 8 1873
NETSCHAY WALTER 4461 BEAUBIEN ST E MONTREAL 36 QUE	B SC 3 RA 8 6968
NETTERFIELD THOMAS M 3 DECARY PL DORVAL QUE	B ENG CIV 4 ME 1 3733
NEUFELD MURIEL ANNE 3472 MCTAVISH ST MTL 1071 COLBORNE ST LONDON ONT	B SC 4 VI 4 7096
NEUHEIMER ERNEST MICHAEL 4670 COOLBROOK MONTREAL QUE	B SC 3 HU 8 6235
NEVILLE ROBERT JAMES 1001 SHERBROOKE ST W MTL 608 QUEBEC ST SHERBROOKE QUE	B ENG MET 3 VI 4 0811
NEVITT BRIAN ALLAN 6291 MOUNTAIN SIGHTS AVE MONTREAL QUE	B ENG 1 RE 8 5150
NEWBY NICKI ANN ROYAL VICTORIA COLLEGE 1466 WESTOVER RD CLEVE HYS 18 OHIO USA	B SC 1 VI 2 0597
NEWCOMB EMAN BECK 4818 MELROSE AVE MONTREAL 29 QUE	PARTIAL HU 6 5884
NEWCOMBE EDWARD HERBERT 3660 LORNE CRES APT 21 4008 EDGEMONT BOISE IDAHO USA	MD CM 4 VI 4 8169
NEWCOMBE LORNA FRANCES 212 WESTWOOD AVE DORVAL QUE	B SC 1 ME 1 6025
NEWELL JOHN COLSTON 3478 MCTAVISH ST MTL BOX 89 PICKERING ONT	B SC 4 VI 2 7412
NEWGLOSKI GENEVIEVE 579 PAUL PAV ST MONTREAL 5 QUE	B A 4 CL 5 9825
NEWHAM WALTER DAVID NOEL 1018 SHERBROOKE ST W MTL DEPT OF GEOL SCIENCES MCGILL UNIVERSITY MONTREAL QUE	PH D 2
NEWINGTON ISABEL ANNE 4855 COTE ST LUC RD APT 101 MONTREAL QUE	GRAD DIP 1 HU 6 4101
NEWMAN JUDY 4225 MELROSE AVE MONTREAL 28 QUE	B SC 1 HU 4 4691
NEWMAN PETER GILBERT 421 GLENGARRY AVE TOWN OF MT ROYAL QUE	B COM 2
NEWMAN ROBERT NATHAN 4107 DE LA PELTRIE MONTREAL QUE	B SC 2 RE 1 5235
NEWMAN SEYMOUR MELVIN 5565 ALPINE AVE COTE ST LUC QUE	B ENG 1 HU 9 2768
NEWMAN SHERRILL GAY 4545 WALKLEY AVE APT 107 MONTREAL QUE	B SC 4 HU 4 2592
NEWMAN SONIA DEANE 3302 CEDAR AVE WESTMOUNT QUE	B A 4 WE 2 1870
NEWMAN THEODORE N 6117 MOUNTAIN SIGHTS MONTREAL 29 QUE	B A 1 RE 7 9179
NEWSHAM IVOR 4554 PATRICIA AVE MTL 307 HUGO AVE SASKATOON SASK	B L S 1 HU 8 3988
NEWSOM CYNTHIA W 429 PRINCE ARTHUR ST APT 15 MONTREAL QUE	B A 3 VI 5 5864
NEWSOM JOHN ARDEN 429 PRINCE ARTHUR ST W APT 15 MTL 7012 OTTAWA RD N E ALBUQUERQUE NEW MEXICO	MD CM 2 VI 5 5864
NG CHI YEUNG PATRICK 3715 JEANNE MANCE ST MTL 24 GREEN LANE GR FL HAPPY VALLEY HONG KONG	B ENG CIV 3 VI 4 5540
NG MAN CHIU 3686 JEANNE MANCE ST MTL NG YUEN SHATIN N T KOWLOON HONG KONG	B ENG 1 VI 5 1562
NG PETER YIP CHUEN 3583 DUROCHER ST APT 11 MONTREAL QUE	B ENG MCH 4
NG SIU TOA MTL GENERAL HOSP 11 CAINE RD 2 ND FL HONG KONG	MED DIP 3
NG TING KWONG WILKIN 3582 DUROCHER ST APT 16 434 NATHAN RD KOWLOON HONG KONG	B SC 3 VI 4 0843
NG YIN CHING MARJORIE ROYAL VICTORIA COLLEGE 1 NING YEUNG TERR BONHAM RD HONG KONG	B SC 4 VI 2 0147
NGUI KON SUE LYNTON 3549 LORNE AVE MTL 17 BRICKDAM GEORGETOWN BR GUIANA	D D S 3 VI 5 0691
NIAZI IQBAL AHMAD 633 UNDERHILL PL MTL 15 299 MAHATMA GANDHI RD KANPUR U P INDIA	PH D 4 VI 5 5930
NICHOL DOROTHY ANNABELLE BOX 253 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M S W 1 GL 3 5335
NICHOL RONALD ROBERT 877 51ST AVE LACHINE QUE	B COM 4 ME 7 7575

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
NICHOLLS PETER JOHN 5690 QUEEN MARY RD MONTREAL QUE	HU 1 9109	B SC 2
NICHOLS JOHN MICHAEL 1431 MACKAY ST APT 15 2 ROCKLEY RD SOUTH YARRA VICTORIA AUSTRALIA	VI 5 8853	B SC 3
NICHOLSON GORDON RICHARD 4785 BOUCHETTE ST APT 26 MONTREAL QUE	RE 3 7757	D D S 2
NICHOLSON VERONICA N LAIRD HALL 19 CONSTABURAUY ST CARENAGE TRINIDAD		B SC H EC 2
NICKLESS DONALD WILLIAM BRITTAIN HALL 705 42TH AVE LACHINE QUE		B SC AGR 4
NICKSON JUNE BERTHA 360 DESAULNIERS BLVD ST LAMBERT QUE	OR 1 8418	B SC P OT 5
NICOLAIDIS COSTAS 5748 PARK AVE MONTREAL QUE	CR 4 7893	B ARCH 5
NICOLL PATRICIA 157 MILLHAVEN AVE LAKESIDE QUE	OX 5 6825	B ED 3
NICOLLE ROBIN EDWARD B 5673 MCLYNN AVE MONTREAL 29 QUE	RE 8 7435	B ENG 2
NIDEROST ADRIAN CARL 51 DUFFERIN RD HAMPSTEAD QUE	HU 4 3537	B ENG MCH 5
NIEBYL PETER HEUER 456 PINE AVE W MTL 221 S CLARKE ST MILLEDGEVILLE GA USA	VI 9 7268	MD CM 1
NIEDERHOFFER MALVINA 2080 GOYER AVE MONTREAL QUE	RE 7 5786	2 TCHRS 2
NIEDERHOFFER MELVYN 4851 DORNAL AVE MONTREAL 26 QUE	RE 8 9752	B SC 1
NIELS ALEXANDER 3504 PARK AVE APT 18 MTL 50 MINERAL SPRING AVE PASSAIC N J USA	VI 5 5487	MED DIP 1
NIILEND OLAV 5175 TRENHOLME AVE MONTREAL 29 QUE	HU 1 9580	B SC 1
NIJHOWNE TILAK 3512 DUROCHER APT 108 C O AMBEGAOKAR 479 5 GANESH KHIND POONA 5 INDIA	VI 9 5183	M A 2
NISSENBAUM ROGER 921 ROCKLAND AVE OUTREMONT QUE	CR 9 2662	B A 1
NITKIN IRVING MAX 1466 DUCHARME APT 20 OUTREMONT QUE	CR 4 8000	M ENG 2
NIXON STEPHANIE JEAN 376 STRATHCONA DR TOWN OF MT ROYAL QUE	RE 3 2560	B A 2
NOBBS PETER F S 3460 SIMPSON ST MONTREAL QUE	WE 7 4639	B ENG 1
NOBEL BARBARA RUTH 529 ROCKLAND MONTREAL 8 QUE	CR 6 6431	B A 2
NOBLE PAUL CAMPBELL 1906 MARIETTE AVE MONTREAL QUE	HU 8 4087	PH D 2
NOEL PATON FREDERICK R 1500 STANLEY ST APT 914 CULTER HOUSE BIGGAR LANARKSHIRE SCOTLAND	VI 4 3102	B A 3
NOEL RAYMOND CHARLES R 222 ST CHARLES RD BEACONSFIELD QUE	OX 5 5022	B ENG 2
NONNENMAN ALTHEA E H 470 STRATHCONA AVE WESTMOUNT QUE	WE 2 1249	2 TCHRS 1
NORAK EPP MAARIKA 12103 ST EVARISTE ST MONTREAL 9 QUE	FE 4 8196	B SC 1
NORMAN ALBERT GARY 63 SOMERSET RD BAI D URFE QUE	GL 3 4922	2 TCHRS 1
NORMAN DAVID 1500 STANLEY ST MTL 6701 RIVER RD RICHMOND VA USA	VI 9 6764	B A 3
NORMAN ERIKA MARIA 6010 COTE ST LUC RD APT 414 MONTREAL QUE	HU 8 0384	PARTIAL
NORMAN PETER MICHAEL M WILSON HALL 3 RUBENSLEI ANTWERP BELGIUM	VI 4 0624	B ENG 2
NORMAN RALPH GREVILLE 235 32ND AVE LACHINE QUE	ME 7 9246	B ENG 2
NORMAND GERARD LEO 27 LORRAIN AVE IBERVILLE QUE	FI 6 5304	PH D 3
NORMANDEAU LOUISE 3525 LINTON AVE MTL 90 LAURIER AVE QUEBEC QUE	RE 7 1943	B N 2
NORTHEY WILLIAM HERBERT 4129 SAMSON BLVD L ABORD A PLOUFFE 2210 HILLARY AVE OTTAWA 1 ONT	MU 1 6181	M SC 1
NORTHRUP ERIC HARRY MACDONALD COLLEGE P O BOX 330 KNOWLTON QUE		3 TCHRS 1
NORTON CHRISTOPHER EDWARD 1431 MACKAY ST APT 15 36 BROMLEIGH COURT FOREST HILL LONDON S E 23 ENGLAND	VI 5 8853	B ENG CH 5
NORTON ELIZABETH HOPE 4562 CORONATION MONTREAL QUE	HU 1 4902	B ED 3
NORUSCHAT MANFRED JUERGEN 3436 DUROCHER ST APT 12 MONTREAL QUE	VI 9 9790	B ENG 1
NOSEWORTHY GORDON LIONEL 174 BRAEBROOK AVE PTE CLAIRE QUE	OX 7 0998	B A 3
NOSZTICZIUS KARL FRANZ DOUGLAS HALL 2 AV DE MONTECRISTO 47 URB MONTECRISTO CARACAS VENEZUELA		B ENG 1
NOTKIN RICHARD JOHN 18 GRENVILLE AVE WESTMOUNT QUE	HU 1 2080	PARTIAL
NOTOAMIDJOJO KENDARSI R 3677 PEEL ST MONTREAL QUE		B SC 4
NOVAK LISE JANE MARY 100 BRAEBROOK AVE PTE CLAIRE QUE	OX 7 2125	B A 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
NOVELLA CARMEN VERDUN PROT HOSPITAL VERDUN QUE	MED DIP 2
NOVICK MARVYN ROBERT 6350 WESTBURY AVE MONTREAL QUE	B A 4 RE 1 5635
NOWICKI JOHN MAURICE A 55 ALLARD AVE DORVAL QUE	B ENG EL 5 ME 1 5452
NOWIK JOHN ROBERT 4725 CARLTON AVE MONTREAL QUE	MD CM 4 RE 3 1258
NOXON TONY BRIAN 24 WAVERLEY RD PTE CLAIRE QUE	PARTIAL OX 5 2866
NOZETZ FRANCES 39 NELSON AVE OUTREMONT QUE	B SC 2 CR 4 6513
NOZETZ TOBI 39 NELSON AVE OUTREMONT QUE	B SC 3 CR 4 6513
NTSINYI CLAUDE THABISO T 2610 FRONTENAC ST MTL P O BOX 11 MASERU BASUTOLAND S AFRICA	GRAD QUAL 1 LA 3 3131
NUEMAN MICHAEL 4785 ST KEVIN APT 6 MONTREAL QUE	H S D DIP 1 RE 8 3466
NUGENT ARNOLD ANDREW LEMESURIER QUE	B SC AGR 1
NUSSELMAN SANDRA MARION 3840 KENT AVE MONTREAL QUE	B A 2 RE 8 7784
NUTE BERNACE RUTH 1433 BISHOP ST APT 6 MTL 6 JOHN ST ORANGEVILLE ONT	GRAD DIP 1
NUTIK STEPHEN LAWRENCE 409 CLARKE AVE WESTMOUNT QUE	MD CM 1 WE 2 5507
NUTTING JOHN DOUGLAS HALL 42 EATON SQ LONDON S W ENGLAND	B A 1
NWAFOR PETER AJERO 3523 LORNE AVE MTL 40 MOORHOUSE ST ENUGU NIGERIA	B ENG 2 VI 2 0398
NYBORG MARVIN PETER KARL BOX 101 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 2 GL 3 4086
NYENHUIS LUCIA TUDOR LAIRD HALL 5400 QUEEN MARY RD APT 19 MONTREAL 29 QUE	B SC H EC 4
NYMAN CYNTHIA STEWART HALL 401 THIRD ST WEST CORNWALL ONT	2 TCHRS 2
NYMARK KARL ALFRED W L 2028 VICTORIA AVE APT 8 ST SAUVEUR DES MONTS QUE	B ENG 2
NYON EKPO ASUQUO 3531 LORNE AVE MTL 37 EYO EDEM ST CALABAR NIGERIA	B A 2 AV 8 0671

O

OBERMAN LILA 5563 KING GEORGE AVE COTE ST LUC QUE	B A 3 HU 4 0637
OBERMAN RHODA 4742 RUE DE LA PELTRIE MONTREAL 26 QUE	3 TCHRS 1 RE 9 5295
OBORNE JIM GOVE 1 GRENVILLE AVE WESTMOUNT QUE	B A 1 HU 8 9258
O BRIEN DOUGLAS PATRICK 2642 MONSABRE ST MONTREAL QUE	B ENG 1 CL 6 1497
O BRIEN GERALD J DOUGLAS HALL 1426 NYE ST SAN RAFAEL CALIF USA	MD CM 2
O BRIEN JOHN WILFRID 50 GILMOUR ST PIERREFONDS QUE	PH D 4 MU 4 4926
O BRIEN JUDITH 108 RUE DE POITOU PREVILLE QUE	B COM 1 OR 1 2348
O CONNELL SUZANNE JOANNE 2801 HILLPARK CIRCLE MONTREAL QUE	B A 1 WE 5 3800
O CONNOR BRIAN RODERICK BRITTAIN HALL 47 WILLARD ST OTTAWA ONT	B ED P ED 1
O CONNOR CHARLES D ARCY 7 LANSDOWNE GARDENS PTE CLAIRE QUE	B A 1
O CONNOR NICHOLAS EDWARD 7372 SOMERLED MTL 225 JOHNSON ST KINGSTON ONT	MD CM 1 HU 1 4463
ODER REIN 98 LAPERRIERE ST ST LAURENT QUE	B ENG EL 5 RI 4 2035
O DONNELL MOIRA FRANCES 3208 GUYARD AVE MONTREAL 26 QUE	M L S 1 RE 1 1164
O DONNELL SHARON ANN 1433 BISHOP ST MTL 94 LANSDOWNE ST CAMPBELLTON N B	GRAD DIP 1
OELMANN PETER 130 LEWIS AVE WESTMOUNT QUE	B ENG MEC 4 WE 7 1300
OFUYA ANDREW OTUMARA TRANSPORT SECRETERIAT C O MINISTRY OF WORKS IBADAN NIGERIA	B ENG 2
OGILVIE HOPE CANFIELD 1520 MCGREGOR ST APT 41 MONTREAL QUE	L MUS 2 WE 7 9677
OGILVIE MICHAEL JAMES 1520 MCGREGOR ST APT 41 MONTREAL QUE	B C L 3 WE 7 9677
OGILVIE WILMA STEWART 266 NEPTUNE BLVD STRATHMORE QUE	B A 1 ME 1 6393
OGILVY CAROLINE GERTRUDE ROYAL VICTORIA COLLEGE BOX 61 RINGWOOD ONT	B SC 3 VI 2 0847
OGRYZLO CHARLES THOMAS 2730 GOYER ST APT 4 MTL 31 GORDON RD WILLOWDALE ONT	B ENG MCH 5
O HARA PATRICK A 5373 HUTCHISON ST MONTREAL QUE	B ENG EL 4
O HASHI DAVID AKIRA 3775 UNIVERSITY ST MTL 15 DOLPHIN BAY REGINA SASK	MD CM 4 VI 2 1251

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NAME ADDRESS	COURSE & YEAR TEL. NO.
O HASHI JACK ISAO 3552 SHUTER ST APT 5 MTL 15 DOLPHIN BAY REGINA SASK	MD CM 1 VI 2 0612
OHBERG JOHN WALTER 932 GRAHAM BLVD TOWN OF MT ROYAL QUE	B ENG 1 RE 9 5827
OKEKE TIMOTHY I P O BOX 47 ASABA NIGERIA	B ENG 2
OKILL GIFFORD L 4594 COOLBROOKE AVE MONTREAL 29 QUE	B COM 4 HU 9 5626
OKIWE ANIZOBA GEORGE 2046 VICTORIA ST MONTREAL QUE	B COM 3 VI 4 7890
OKO MICHAEL URIEL 5292 PARK AVE MONTREAL 8 QUE	B ENG MET 5 CR 2 7049
OKORIE SAMUEL ACHINIVU 3473 UNIVERSITY ST MTL TOWN OF OVIM NIGERIA	PH D 3 VI 9 1791
OKULAJA FOLUSO O 3465 JEANNE MANCE MTL 83 BAMGBOSE ST LAGOS NIGERIA	B SC 4 AV 8 1877
OLADEINDE CHRISTIANA I 3449 PEEL ST MTL C O MRS OLADEINDE WESTERN NIGERIA DEVELOPMENT CORPORATION IBADA NIGERIA	GRAD DIP 1 VI 4 0722
OLDHAM RICHARD HAROLD 739 EGAN AVE VERDUN 19 QUE	B SC 2 PO 8 9259
OLESKER HELEN MAUREEN 596 GROSVENOR AVE WESTMOUNT QUE	B A 2 HU 8 8257
OLESKEVICH PAUL ANTHONY SMOOTH ROCK FALLS ONT	B ENG CIV 4
OLIANA EMILE MIRKO 10497 ST LAURENT MONTREAL QUE	B COM 1 DU 8 7690
OLIVER DOUGLAS 658 LIVERPOOL ST MONTREAL 22 QUE	B A 1 WE 5 1358
OLIVER JANICE 1009 SHERBROOKE ST W MTL 2903 19TH AVE REGINA SASK	B COM 2 VI 4 0426
OLIVER JOHN ARTHUR 4868 COTE DES NEIGES MONTREAL QUE	MED DIP 2 RE 3 3279
OLIVER JOHN HENRY 7541 BLOOMFIELD AVE MONTREAL 15 QUE	B SC 2
OLIVER JOSEPH JACOB 4801 GRAND BLVD MONTREAL 28 QUE	B A 4 HU 8 4061
OLNEY SANDRA JEAN MCLENNAN HALL R R 4 DANVILLE QUE	B SC P OT 2 VI 2 0044
OLSZEWSKI OLGA 5330 RANDALL AVE APT 9 MONTREAL QUE	MUS ASSOC 2 HU 9 2045
OLTHOF THEODORUS H A BOX 198 MACDONALD COLLEGE VERWENTRAAT 4 DEVENTER NETHERLANDS	PH D 2
OLTON ROBERT MATTHEW 3643 UNIVERSITY ST APT 6 8111 ROSE HILL RD RICHMOND 29 VA USA	PH D 2 VI 4 7573

NAME ADDRESS	COURSE & YEAR TEL. NO.
OMAN LINDA VAN PELT 5727 WESTMINSTER AVE COTE ST LUC QUE	B ED 3 HU 8 4949
OMANA ROBERTO 3565 LORNE AVE APT 12 MONTREAL QUE	B COM 3
OMENUKOR EMMANUEL N 3516 LORNE AVE RM 2 MTL ASBATA EBE NDIOWU P A VIA AWKA EASTERN REGION NIGERIA	B COM 2 VI 4 5109
OMMANNEY CHARLES S L WILSON HALL FAIRBOURNE GREAT AUSTINS FARNHAM SURREY ENGLAND	B A 2 VI 4 0264
O NEILL JOHN WILLIAM 538 MILTON ST MTL 4609 3RD AVE MIRAMAR HAVANA CUBA	B A 4 VI 9 5412
ONNO PETER 5530 QUEEN MARY RD APT 6 MONTREAL 29 QUE	M SC 2 HU 9 5247
OOMEN PETER 26 PERRAULT AVE STE ANNE DE BELLEVUE QUE	B ENG 2 GL 3 4192
ORBACH ERVIN 5330 BESSBOROUGH AVE MONTREAL QUE	B A 4 HU 9 6675
ORBACH MARVIN 22 RADCLIFFE RD MONTREAL WEST QUE	B A 4 HU 1 3389
ORDOWER RALPH HAROLD 2350 BEDFORD RD MONTREAL QUE	B C L 3 RE 1 1241
O REILLY JAMES ALFRED 5330 BELMORE AVE MONTREAL QUE	B C L 1 HU 6 2009
ORLEANS MARVIN 5473 HUTCHISON ST MONTREAL 8 QUE	B SC 1 CR 6 3157
ORMSBY GORE JULIAN HUGH WILSON HALL WOODHILL OSWESTRY SHRPSHIRE ENGLAND	B A 1
ORNSTEIN BERNARD HERSH 5205 DALOU AVE MONTREAL QUE	B ENG 1 HU 6 1784
ORNSTEIN JACK 6550 MOUNTAIN SIGHTS MONTREAL QUE	B ENG CH 4 RE 8 6803
O ROURKE JOHN FRANCIS L 3640 HUTCHISON ST APT 7 MONTREAL QUE	B COM 4 VI 5 8379
ORPHANOS DEMETRIUS 3473 SHUTER ST MONTREAL QUE	PH D 3 VI 2 1057
ORR BRUCE CHARLES 8344 REIMS ST MONTREAL QUE	B ENG 2 DU 7 2885
ORR JOHN HENRY 456 PINE AVE W MTL MOOERS NEW YORK USA	D D S 1 VI 9 0284
ORR WENDY DIANE 110 BEACONSFIELD BLVD BEACONSFIELD QUE	B A 1 OX 5 4217
ORSER MARGARET 3431 KING EDWARD AVE MONTREAL QUE	B ED PED 3 HU 1 2246
ORTH FRANK GEORGE 3851 UNIVERSITY ST MTL RIVER RD NORWICH VT USA	B A 2 VI 9 9928

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ORTIZ JUAN FERNANDO 1592 PINE AVE APT 59 MTL BARAHONA 42 URUGUAY DOM REP	MED DIP 1 WE 3 0779
ORTON JOHNSON VERONICA 2310 COLLEGE AVE REGINA SASK	B N 2
ORWELL EDWARD MCDOUGALL MACDONALD COLLEGE 333 WESTMINSTER AVE MONTREAL WEST QUE	2 TCHRS 1
ORZECK ALBERT 2495 VAN HORNE AVE MONTREAL QUE	B SC 4 RE 3 3306
OSBORN BEVERLEY ADELE STEWART HALL 55 11TH AVE ROXBORO QUE	2 TCHRS 1
OSBORNE EDWARD GORDON 9 2ND AVE DORVAL QUE	B ENG EL 5 ME 1 5334
OSBORNE MARY SOPHIA ROYAL VICTORIA COLLEGE 74 PAISLEY ST GUELPH ONT	B A 2 VI 2 0327
OSBORNE THOMAS WILLIAM 990 CHURCHILL RD MONTREAL 16 QUE	B ENG 1 RE 8 5073
OSBORNE WILLIAM B 3434 MCTAVISH ST MTL 74 PAISLEY ST GUELPH ONT	B A 2 VI 2 4492
OSHO PATRICK ADEKUNLE 6950 OUTREMONT AVE MTL 37 ARAROMI ST IBDAN NIGERIA	B ENG CIV 5 CR 6 5525
OSLER MARY GORDON ROYAL VICTORIA COLLEGE 307 RUSSELL HILL RD TORONTO 7 ONT	B A 3 VI 9 0858
OSLER ROBERT MICHAEL 3428 PEEL ST MTL COMO QUE	B A 2 VI 9 9928
OSTERBIND SYLVIA A 3466 JEANNE MANCE ST APT 5 MONTREAL QUE	B L S 1 VI 5 3769
OSTERREICH HELGI 2105 MOUNTAIN ST APT 10 MONTREAL QUE	GRAD QUAL 1 VI 5 5837
OSTRER NIGEL ALEXANDER 3563 UNIVERSITY ST MONTREAL QUE	B A 4
OSTROFF ELKA 4956 CIRCLE RD MONTREAL QUE	B SC P OT 1 HU 6 3578
O SULLIVAN ROBERT DAVID 5449 EARNSCLIFFE AVE MONTREAL QUE	B ENG MCH 5 HU 4 0763
OTSON REIN 1505 DECELLES ST APT 12 MONTREAL 9 QUE	B SC 3 RI 7 3216
OTTER JOHN EDWARD 461 REVERE AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 9 6266
OTTLEY IVOR ALBERT PIERRE 3473 UNIVERSITY ST MTL 7450 QUERBES AVE APT 16 MONTREAL QUE	B D 3 VI 9 1791
OTTON PINLEY PENELOPE J 1009 SHERBROOKE ST W MTL 173 KINGSMOUNT BLVD SUDBURY ONT	B A 2 VI 4 0426
OUELLET LIONEL 3509 HUTCHISON MTL DONNACONA CTE PORTNEUF QUE	PH D 2 VI 2 2678
OUELLET NOEL ELZEAR 12421 CHEVALIER MTL 224 DES CEDRES DOLBEAU QUE	B ENG CIV 5 FE 4 8609
OUIMET JOSEPH SYLVIO M 7842 DROLET MONTREAL QUE	B ENG MI 3 CR 6 9685
OULTON BARBARA SUZANNE MACDONALD COLLEGE 765 42ND AVE LACHINE QUE	B SC H EC 1
OULTON ROBERT FRANK 3500 SHUTER ST MTL 2 SENECA ST OTTAWA ONT	B SC 3 VI 5 3926
OUTERBRIDGE DAVID R 3429 PEEL ST MTL 146 WESTCOTT RD PRINCETON N J USA	B ENG 1
OUTERBRIDGE EUGENE W 3660 LORNE CRES APT 24 BLINK BONNIE SHELLY BAY BERMUDA	MD CM 2 AV 8 4088
OUTERBRIDGE EVAN C 11 OLDFIELD AVE APT 3 BAILEYS BAY BERMUDA	B A 1 WE 2 1890
OUTERBRIDGE JOHN S 1265 GRAHAM BLVD APT 1 GREENWATER SHELLY BAY BERMUDA	MD CM 3 RE 9 4113
OVERCHUK NINA ANN ROYAL VICTORIA COLLEGE 247 MURDOCH AVE P O BOX 397 NORANDA QUE	B SC 3 VI 2 0477
OVERGAARD BJORN 4864 COTE DES NEIGES RD APT 1 MTL KARLSTAD SWEDEN	M SC 1 RE 3 5441
OVERING ROBERT 86 SOMERSET RD BAIE D URFE QUE	PARTIAL GL 3 6349
OVERTON DONALD ALBERT 4669 PARK AVE APT 14 MTL 17 PROSPECT ST MECHANICVILLE N Y USA	PH D 1 VI 5 0672
OWEN CYNTHIA VERONICA 3557 SHUTER ST APT 15 6 SURBITON RD HALFWAY TREE JAMAICA W I	B A 3
OWEN DAVID GRAY 3508 DUROCHER ST MTL BEAVER FALLS N Y USA	D D S 1 VI 9 4352
OWEN DAVID ROSS 43 BROCK AVE N MONTREAL WEST QUE	B SC 1 HU 4 6996
OWEN DAVID WILLIAM WILSON HALL P O BOX 5042 CRISTOBAL CANAL ZONE	B SC 2
OWEN JANE CHRISTY 973 DUNSMUIR RD TOWN OF MT ROYAL QUE	B A 3 RE 7 2350
OWEN MARY SHERRILL 973 DUNSMUIR RD TOWN OF MT ROYAL QUE	B A 1 RE 7 2350
OWENS MURIEL JOAN MACDONALD COLLEGE R R 1 GRENVILLE QUE	2 TCHRS 1
OWENS PATRICIA SCOTT 637 GROSVENOR AVE WESTMOUNT QUE	B SC 4 HU 8 8672
OWUSU THEOPHILUS DZAM 3650 STE FAMILLE ST MTL TONGOR VIA PEKI GHANA	B ENG MCH 5 VI 2 7497

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NAME ADDRESS	COURSE & YEAR TEL. NO.
OYER CHARLES WALKER 3360 RIDGEWOOD AVE APT 8 WOLCOTT N Y USA	D D S 4 RE 1 0561
OZBURN GEORGE WILKS BOX 23 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 2
OZERNITSKY SIDNEY 5851 TERREBONNE AVE MONTREAL QUE	MD CM 3 HU 1 3223

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PAASUKE REIN TOIVO 327 WESTMINSTER AVE N MONTREAL WEST QUE	B SC 4
PAASUKE TOOMAS 327 WESTMINSTER AVE N MONTREAL WEST QUE	B ENG 2 HU 8 7313
PACEY PHILIP DESMOND DOUGLAS HALL 249 WINSLOW ST FREDERICTON N B	B SC 2 VI 5 0594
PACI ANTHONY JOSEPH ERIC 6971 CHAMBORD ST MONTREAL QUE	L MUS 1 CR 1 1542
PACKARD MICHAEL JOHN C 3463 PEEL ST MTL HACKFORD HALL REEPHAM NORFOLK ENGLAND	B A 4 VI 9 0802
PACKER RUTH 4650 LINTON AVE APT 4 MONTREAL QUE	M S W 1 RE 7 8606
PADRO JACOB 1060 VAN HORNE AVE MONTREAL QUE	B SC 2 CR 7 9532
PADULA ARMAND LOUIS BOX 139 MACDONALD COLLEGE RD 2 TURKEY HILL RD ITAACA NEW YORK USA	M SC 1
PAGANUZZI PETER 4609 JEANNE MANCE ST MONTREAL 8 QUE	B ENG 1 VI 2 6557
PAGE IRENE VIOLA 495 PRINCE ARTHUR ST W APT 12 MTL 153 ST MARY S BLVD RIVERSIDE ONT	M S W 2 AV 8 7968
PAGE JANET KATHRYN MACDONALD COLLEGE 130 48TH AVE LACHINE QUE	2 TCHRS 1
PAIGE WALTER BOYD MACDONALD COLLEGE R R 2 KNOWLTON QUE	2 TCHRS 1 CH 3 5315
PALACIO LUIS 385 CHURCH ST BEACONSFIELD QUE CALLE 28 NO 310 APTO 102 VEDADO HAVANA CUBA	B ENG 2
PALK ELIZABETH 4780 VICTORIA AVE MONTREAL QUE	M S W 2 HU 6 7080
PALMER FREDERICK EARL 3660 PEEL ST APT 6 MTL 9 BROWSIDE AVE TORONTO ONT	B ARCH 3 VI 5 7730
PALMER JAMES TALMAGE 3429 PEEL ST MTL 1012 FRONTENAC AVE CALGARY ALTA	B A 2 VI 9 9928
PALMER JOHN 4864 COTE DES NEIGES APT 12 MONTREAL QUE	B COM 2 RE 1 1448
PALMER MURIEL ALICE MACDONALD COLLEGE R R 1 BOX 100 GASPE QUE	3 TCHRS 1
PALMER TIMOTHY CHARLES 4864 COTE DES NEIGES APT 12 MONTREAL QUE	B SC 1 RE 1 1448
PALMERTON CALSON DONALD 510 NO SWEETZER AVE LOS ANGELES 48 CALIF USA	MD CM 3
PALYI LASZLO 4077 MELROSE AVE MONTREAL QUE	B A 4
PANDYA RAJNIKANT 2034 VICTORIA ST MONTREAL QUE	L L M 2 VI 9 0667
PANESAR MAJIT KAUR 1265 CAROL CRES ST MARTIN QUE	B SC 2 MU 1 3590
PANG PETER C T 3524 SHUTER AVE MTL 529 CANTON RD 2ND FL KOWLOON HONG KONG	B ENG CIV 5 VI 4 0084
PANTEL ROSALYN 4963 ISABELLA MONTREAL QUE	B A 2 RE 8 9666
PANTON VERMA W ROYAL VICTORIA COLLEGE CLAREMONT P O ST ANN JAMAICA W I	B ARCH 3 VI 2 0265
PAPADOPOULOS SPIROS 4542 CHAMBORD ST MONTREAL QUE	B ENG EL 4 LA 2 2537
PAPATHOMOPOULOS E 6875 LASALLE BLVD MONTREAL 19 QUE	MED DIP 3 PO 6 8511
PAPAURELIS LUDWICK L 5309 CHURCHILL ST MONTREAL 36 QUE	B ARCH 3 RA 8 0464
PAPEZIK VLADIMIR STEPHEN 3530 DUROCHER ST APT 1 DEPT OF GEOLOGY MCGILL UNIVERSITY MONTREAL QUE	PH D 5 VI 4 8753
PAPP CLARA EDITH 4875 DUFFERIN RD APT 803 MONTREAL QUE	MED DIP 2 HU 8 5987
PAQUIN JEAN CLAUDE 1804 TUPPER ST MTL 654 LAVIOLETTE ST ST JEROME QUE	B C L 4 WE 7 1046
PAQUIN PIERRE 6670 PIE IX BLVD APT 112 MONTREAL QUE	B C L 1 RA 9 4862
PARADISE VALDEMAR FORREST 3430 DRUMMOND ST MTL 19 CONCORD RD BILLERICA MASS USA	B A 2 VI 2 0789
PARDO YVES CLEMENT 646 CARLETON AVE WESTMOUNT QUE	B COM 1 HU 6 3894
PARILLO JOHN J 456 PINE AVE W APT 28 739 MASON ST SCHENECTADY 8 N Y USA	MD CM 3 VI 9 0284
PARIS JOEL 3630 HUTCHISON ST MTL 915 WASHINGTON AVE BROOKLYN 25 N Y USA	MD CM 1 VI 5 9384
PARIS ROSALIND KAHN 3630 HUTCHISON ST APT 9 MONTREAL QUE	B SC N 1 VI 5 9384

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PARISEAU NORMA ANNE MACDONALD COLLEGE 1049 FABRE ST SHERBROOKE QUE	2 TCHRS 1
PARK SAMUEL GRAHAM 3637 UNIVERSITY ST MTL 2 87 WARREN RD WANSTEAD LONDON E 11 ENGLAND	B SC 1 VI 9 1736
PARKIN HERBERT JAMES P O BOX 43 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 1
PARKINS GAIL KATHLEEN 465 GROSVENOR AVE WESTMOUNT QUE	B SC N 4 WE 5 6812
PARROTI KENNETH BRUCE MTL GENERAL HOSPITAL 252 PRINCE ALBERT AVE WESTMOUNT QUE	MED DIP 2 WE 7 6011
PARRY JOHN TREVOR 17 COTE STE CATHERINE MONTREAL 8 QUE	PH D 3 CR 4 5185
PARSONS DAVID VICTOR 873 BELLERIVE BLVD VILLE JACQUES CARTIER QUEBEC	B ENG 1
PARSONS DOUGLAS ASHTON E 1438 MOUNTAIN ST MTL 86 COOKSHIRE ST EAST ANGUS QUE	B A 3
PARSONS GORDON CAMERON BRITTAIN HALL ISLAND BROOK QUE	B SC AGR 1 GL 3 1828
PARSONS GRANT C 215 39TH AVE LACHINE QUE	B COM 1 ME 7 1655
PARSONS HAROLD V 5090 TRENHOLME AVE MONTREAL QUE	B SC 1 HU 4 2389
PARSONS HERBERT AYLMER 3592 UNIVERSITY ST MTL ISLAND BROOK QUE	B ENG EL 5 VI 2 0997
PARSONS IAIN RONALD D 4860 QUEEN MARY RD APT 9 MONTREAL QUE	B A 2 RE 1 1393
PARSONS STATIA FRANCES 96 STAFFORD RD BAIE D URFE QUE	B ED 2 GL 3 5918
PASCAL DOUGLAS LEONARD 4352 HINGSTON MONTREAL QUE	B COM 2 HU 6 3304
PASCAL ELIZABETH I ROYAL VICTORIA COLLEGE 16 ARTHUR ST BRANTFORD ONT	B COM 3 VI 2 0334
PASCAL SANDRA FRANCEEN 947 DAVAAR AVE OUTREMONT QUE	B A 1 CR 2 4010
PASKAL TOM STANLEY 2330 PATON ST ST LAURENT 9 QUE	B A 2 RI 4 4745
PASKAL VIVIAN PEARL 2330 PATON ST MONTREAL 9 QUE	B SC 3 RI 4 4745
PASKINS ANDREA JEANNE 3762 DE LA PELTRIE MONTREAL 26 QUE	B SC 1 RE 3 6850
PASMORE RALPH CECIL 436 SENECAL AVE LASALLE QUE	B SC 2 DO 6 6270
PASTEGA JOSE ANTONIO WILSON HALL MASER PROV TREVISO ITALIA	B ENG 1
PASTEGA RAFAEL WILSON HALL CRESPIGNAGA DI MASER PROV DI TREVISO ITALY	B ENG 2
PATEL RAJNIKANT P 3430 DRUMMOND ST MTL P O BOX 6793 NAIROBI KENYA E AFRICA	M ENG 1 VI 2 0789
PATENALL ANDREW JAMES G 1559 MACGREGOR ST APT 5 CASTLE CARY SOMERSET ENGLAND	B A 2
PATERSON DAVID CLARENCE 72 YORK ST WESTMOUNT QUE	B SC 1 HU 4 3068
PATERSON JOHN GILBERT 1924 ST GERMAIN ST LAURENT QUE	B ENG 1 RI 4 2523
PATERSON MARGERY GORDON 4311 MONTROSE AVE WESTMOUNT QUE	B A 3 WE 3 6985
PATERSON RICHARD DENIS 148 SUNNYSIDE AVE LAKESIDE QUE	B ENG CIV 3 OX 5 4804
PATERSON WILFRID BRADLEY 642 GROSVENOR AVE WESTMOUNT QUE	B COM 1 HU 6 9865
PATON CHARLES PETER 350 STANSTEAD AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 1 7061
PATRICK LINDA MARY 419 VICTORIA AVE WESTMOUNT QUE	B ED 2 WE 7 4458
PATRICK WILLIAM JAMES 4193 WESTHILL AVE MTL WHITEWOOD SASK	B ENG EL 4
PATRIQUIN DONALD C H 495 PRINCE ARTHUR W APT 23 MTL C O BISHOP S COLLEGE SCH LENNOXVILLE QUE	MUS B 1 VI 9 5995
PATTEE CHRISTOPHER L BOX 75 ROSEMERE QUE	B A 1 NA 5 5093
PATTEN ROBERT L DOUGLAS HALL 104 NOWELL ST S CHILLIWACK B C	MD CM 3 VI 5 3728
PATTEN VERONICA ANNE STEWART HALL R R 1 MEADOWBANK FARM KNOWLTON QUE	B SC H EC 1
PATTERSON BRONWEN MACDONALD COLLEGE BOX 128 ROCK ISLAND QUE	3 TCHRS 1
PATTERSON DONNA GRACE MACDONALD COLLEGE SUNNY BANK GASPE QUE	3 TCHRS 1
PATTERSON NICHOLAS JOHN 497 LANSDOWNE AVE WESTMOUNT QUE	B A 3 WE 7 2496
PATTISON ADELA HAWTHORNE 3426 HUTCHISON ST APT 5 MONTREAL 18 QUE	B C L 4 VI 9 1446
PATTISON EDWARD FOYER 4353 CIRCLE RD PIERREFONDS QUE	B SC 2 NA 6 3424
PATTON ANITA L LAIRD HALL 104 CHESTNUT DR BAIE D URFE QUE	B SC H EC 4
PATTON ARTHUR GERARD M 3679 FAMILLE ST APT 14 MONTREAL QUE	B C L 4 VI 2 7010

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NAME ADDRESS	COURSE & YEAR TEL. NO.
PATTON JENNIFER L 88 CHURCH HILL WESTMOUNT QUE	B SC 1 WE 5 5779
PATTON ROBERT EDWARD 3350 LINTON AVE APT 101 671 WESTCHESTER DR BAIE D URFEE QUE	D D S 3 RE 1 1279
PAUL JANE HEBB 3563 UNIVERSITY ST APT 2 MONTREAL QUE	B A 4 VI 5 8719
PAUL RICHARD PAUL COLLINS 2918 SPRINGLAND ST APT 2 MONTREAL 20 QUE	B ENG PHY 3 PO 6 6579
PAUL RONALD LARRY 3563 UNIVERSITY ST MONTREAL QUE	MD CM 2
PAULSON IRENE 3261 FOREST HILL AVE APT 50 MONTREAL QUE	M S W 2 RE 3 0289
PAYAN PHYLLIS ANN M 3480 ONTARIO AVE MTL 773 HEMLOCK RD OTTAWA 2 ONT	B SC P OT 3 VI 2 0044
PAYETTE GILLES JOSEPH 4500 CIRCLE RD MONTREAL QUE	B ENG EL 5 RE 8 1790
PAYETTE MAURICE THOMAS 3798 GREY AVE MONTREAL QUE	B C L 1 HU 4 8693
PAYNE ELEANOR MAY 89 FINCHLEY RD HAMPSTEAD QUE	B SC 2 HU 6 5713
PAYNE ELIZABETH 89 FINCHLEY RD HAMPSTEAD QUE	GRAD DIP 1 HU 6 5713
PAYNE TREVOR GEORGE W 5584 BANNANTYNE AVE VERDUN QUE	B SC 2 PO 7 6714
PEAL ELIZABETH 3460 DUROCHER ST APT 8A 73 LONDON ST S HAMILTON ONT	M A 1
PEARCE ALICE WILHELMINA R ROYAL VICTORIA COLLEGE DEEPWATER SMITH S PARISH BERMUDA	B A 1 VI 2 0571
PEARCE BRIAN CHRISTOPHER 406 PINE AVE W APT 24 MONTREAL QUE	B A 4
PEARCE BRYAN WILLIAM 3473 UNIVERSITY ST MTL 2 1379 W 55TH AVE VANCOUVER 14 B C	B A 4 VI 4 0974
PEARL REEVIN 6585 VICTORIA AVE APT 15 116 LORD ST GRANBY QUE	B A 2 RE 7 2144
PEARLMAN RONALD E 3506 UNIVERSITY ST MTL 3824 10TH ST S W CALGARY ALTA	B SC 4 VI 4 0624
PEARSON BEATRICE 33335 RIDGEWOOD APT 17 MONTREAL 26 QUE	PARTIAL RE 9 0423
PECK GRAEME MAXWELL 3484 DUROCHER ST APT 210 19 GRANVILLE ST LAUNCESTON TASMANIA AUSTRALIA	M ENG 1
PECKOVER SYBIL 43 ELMWOOD AVE SENNEVILLE QUE	2 TCHRS 2 GL 3 4919
PEEL ROSEMARY E 3637 STE FAMILLE MTL 865 WEST WALNUT LN PHILADELPHIA 44 PA USA	MD CM 2 VI 5 3545
PEENE DICK 3851 UNIVERSITY ST MONTREAL QUE	B ENG EL 3
PEEVER JOHNSTON BAIN 438 MERTON AVE 2221 TROUT LAKE RD NORTH BAY ONT	PARTIAL OR 1 7628
PEFFER CAROL 4708 MACKENZIE ST MONTREAL QUE	B A 1 RE 7 9523
PEGG PETER JOHN MACDONALD COLLEGE EASTWOODS SWAY LYMINGTON HANTS ENGLAND	B SC AGR 3
PEI DAVID CHUNG TZE 3230 VAN HORNE AVE APT 24 MONTREAL QUE	PH D 4 RE 9 4981
PELL JERRY 4521 VAN HORNE AVE MONTREAL 26 QUE	B SC 2 RE 7 4017
PELLAND MARCEL PAUL J 7975 ST DENIS MONTREAL QUE	B ARCH 2 DU 9 8871
PELLETIER CAMILE 3422 STANLEY ST MTL ST LOUIS DU HA HA CO TEMISCOUATA QUE	B ENG EL 3 AV 8 6922
PELTON JEAN LOWELL 344 WOOD AVE WESTMOUNT 6 QUE	MUS B 2 WE 5 5184
PEMBERTON JAMES JEREMY B 474 MOUNT PLEASANT AVE WESTMOUNT QUE	B COM 1 WE 5 9092
PENCER EDWARD LEWIS 5220 KING EDWARD AVE MONTREAL QUE	B ENG 1 HU 6 9177
PENG JOHN FAI SUEN 3560 DUROCHER ST APT 2 592 NATHAN RD KOWLOON HONG KONG	B ARCH 5
PENHALE JOHN ALFRED 426 SHERBROOKE ST W MTL BREASIDE THETFORD MINES QUE	B C L 1
PENNA PAAVO PAIVIO 169 FILION ST STE ROSE QUE	B ENG 1 NA 5 3858
PENNER ARNOLD DEREK EWAN 4650 EARNSCLIFFE AVE MONTREAL QUE	B A 4 HU 1 4368
PENNINGTON ANETTE 3496 GREY AVE MONTREAL QUE	B A 3 HU 1 7825
PENNISTON BARBARA ANNE MACDONALD COLLEGE 7280 CHURCHILL BLVD CRAWFORD PARK MONTREAL 19 QUE	2 TCHRS 1
PEPIN PIERRE 4003 PAPINEAU MONTREAL QUE	B ENG 1 LA 3 5540
PEPPER EARLAND HAROLD 34 MAPLE AVE APT A STE ANNE DE BELLEVUE QUE R R 3 SIMCOE ONT	P E DIP 2
PEPPER LOUISE E MACDONALD COLLEGE 1640 CHAMPIGNY ST ST LAURENT QUE	B SC H EC 2
PERCY MICHAEL JOSEPH 34 MAPLE AVE STE ANNE DE BELLEVUE QUE 72A ANAPITA AVE PORT OF SPAIN TRINIDAD W I	B SC AGR 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
PEREDERY WALTER VOLODYMYR 5494 CHARLEMAGNE AVE MONTREAL 36 QUE	B SC 3 RA 8 2815
PEREL MORTON LEONARD 2390 ST LOUIS MONTREAL 9 QUE	D D S 2 RI 7 4327
PEREL STANLEY 2207 CLINTON AVE MONTREAL QUE	B ENG EL 3 RE 8 8286
PERELMAN FRANK HENRY D 661 QUERBES AVE APT 5 OUTREMONT QUE	B SC 4 CR 6 2230
PERELMUTTER LEWIS LARRY 2452 BEDFORD RD MONTREAL QUE	PH D 4 RE 3 7420
PERES SANDRO 7035 8TH AVE VILLE ST MICHEL QUE	B ENG 2 RA 2 3982
PEREY DANIEL YVES EMILE 92 1ST AVE LAVAL WEST QUE	MD CM 3
PEREY EDMOND ANDRE D 92 FRECHETTE AVE LAVAL WEST QUE	B ENG CIV 4 NA 7 4320
PERGAU JUDITH MINA MACDONALD COLLEGE BOX 173 SUTTON QUE	2 TCHRS 2
PERKINS JOHN ALDEN C P O BOX 1084 WATERLOO QUE	B COM 1
PERKINS WILLIAM ACHESON 3581 UNIVERSITY ST MTL 12 GORE ST W PERTH ONT	B COM 2 VI 9 1368
PERLIN BLUMA 6325 MACDONALD AVE MONTREAL 29 QUE	B SC 3 RE 1 0939
PERLMAN ABRAHAM 795 DAVAAR AVE MONTREAL 8 QUE	B ENG 1 CR 6 1013
PERLMAN EDDY 5628 MCMURRAY AVE MONTREAL 29 QUE	B SC 1 HU 4 1824
PERLMUTTER JACOB 5824 CLANRANALD AVE MONTREAL QUE	B ENG EL 3 RE 7 0244
PERODEAU PETER GUY 201 BROCK AVE N MONTREAL WEST QUE	B ENG EL 4 HU 1 2420
PERRAULT JOSEPH LOUIS J 804 ST JOSEPH BLVD E MONTREAL QUE	B SC 1 LA 2 1260
PERRON JEAN MARIE BOX 32 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 1
PERRON PAUL CHARLES 107 MGR TACHE BOUCHERVILLE QUE	B ENG 1 OL 5 8381
PERRON PIERRE ANDRE 10790 ST CHARLES AVE MONTREAL QUE	MUS B 5 DU 8 5862
PERRY DOUGLAS GEORGE 3900 ST JOSEPH BLVD LACHINE QUE	AGR DIP 1 OL 3 1997
PERSSON ALFRED VERNER 3610 DUROCHER APT 30 MTL STAR LAKE N Y USA	MD CM 3
PERVIN RICHARD JACK 8175 ATHERTON ST MONTREAL 9 QUE	B ENG 1 RE 8 0986
PEPZOW SYDNEY MICHEL 5216 CLANRANALD AVE MONTREAL QUE	B SC 3 HU 4 8026
PESNER MICHAEL STEPHEN 4721 DORNAL AVE MONTREAL QUE	B COM 2 RE 8 7237
PETER ERICH MAX 1533 MCGREGOR APT 85 MONTREAL QUE	M S W 2
PETER WILLIAM JOHN 3650 MOUNTAIN ST MTL SOUTHAMPTON N Y USA	MD CM 4 VI 2 3305
PETERFY GEORGE PROV MENTAL HOSPITAL ESSONDALE B C	MED DIP 3
PETERKIN MOIRA DIANE 555 SHERBROOKE ST W W 222 MONTREAL 2 QUE	B SC P OT 1 VI 2 0597
PETERS CHARLES W 35 BARAT RD WESTMOUNT QUE	B A 4 WE 5 5648
PETERS GERALD ROY 3616 DUROCHER ST APT 104 290 VALDEZ AVE SAN FRANCISCO 17 CALIF USA	MD CM 2 VI 9 3438
PETERS PENELOPE M 11 NAZELWOOD DR MTL 32 BALACLAVA ST AMHERSTBURG ONT	MUS B 3 RE 8 7729
PETERSON ERIK BARRY 544 LANSDOWNE AVE WESTMOUNT QUE	B ENG 2 WE 5 9881
PETERSON RICHARD 626 VICTORIA AVE ST LAMBERT QUE	B ENG MCH 5
PETERSON RICHARD SPENCER 481 PRINCE ARTHUR ST W 700 DESTA ST HAMILTON MONT USA	PH D 2
PETIT GAETAN BRITTAIN HALL MONT ST HILAIRE CO ROUVILLE QUE	AGR DIP 1
PETRIE DAVID PALMER 570 MILTON ST APT 16 MTL 351 UNIVERSITY AVE FREDERICTON N B	MD CM 1 VI 5 9547
PETRIE RUTH ROYAL VICTORIA COLLEGE AYLMER RD AYLMER EAST R R 2 QUE	B A 2 VI 2 0571
PETRO VICTOR ANDREW 5930 VICTORIA AVE MTL SIMMIE SASK	D D S 2 RE 9 7306
PETRONIS PHYLLIS DIANE 8509 CENTRAL AVE LA SALLE QUE	B A 1 DO 6 5031
PETRYK ALLEN ALEXANDER 2652 SPRINGLAND ST MONTREAL 20 QUE	B SC 3 PO 8 5082
PEVERLEY ANN 418 CLAREMONT AVE APT 63 WESTMOUNT QUE	M S W 1 HU 6 8287
PFAEFFLIN GOETZ EBERHARD 1641 LINCOLN APT 1 MTL 3009 8TH ST L ABORD A PLOUFFE QUE	B ENG MCH 5 WE 5 3847
PFAFF KENNETH ROY 6010 DES ANGEVINS ST VILLE D ANJOU QUE	B ENG 1 CL 6 5927
PFEFER IRVING MARVIN 4393 MARCIL AVE MONTREAL QUE	B ENG CH 4 HU 6 3550

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NAME ADDRESS	COURSE & YEAR TEL. NO.
PFISTER MARIE A 4437 GRAND BLVD MONTREAL QUE	PARTIAL HU 8 6636
PHELPS GERALD ROSS 211 INGLEWOOD AVE PTE CLAIRE QUE	B ENG CH 3 OX 7 2037
PHENE CAROL MARGUERITE MACDONALD COLLEGE 7 CORONATION DR NITRO QUE	B SC H EC 1
PHILIP PALAMOOTTIL B 3555 HUTCHISON ST MTL PALAMOOTTIL ERAVIPERUR KERALA INDIA	M SC 1
PHILLIPS CHARLES ORMOND D BOX 22 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	H S D DIP 1 QL 3 2051
PHILLIPS DAVID FRANK BRITTAIN HALL 5258 SCOFIELD RD ROSELAND ONT	B SC AGR 3
PHILLIPS GERALD DOUGLAS N MACDONALD COLLEGE FAREWELL CAVE GASPE CO QUE	2 TCHRS 1
PHILLIPS GORDON K 3466 MCTAVISH ST MONTREAL 2 QUE	MD CM 3 AV 8 9533
PHILLIPS NORMA JOAN ROYAL VICTORIA COLLEGE 227 GAY LUSSAC ST ARVIDA QUE	B COM 2 VI 2 0847
PHILLIPS PATRICIA DUFF 555 SHERBROOKE ST W MTL 197 FOURTH AVE OTTAWA ONT	B SC P OT 3
PHILLIPS THOMAS GORDON D 357 MELVILLE AVE WESTMOUNT QUE	B A 3 WE 5 2640
PHILLIPS WILLIAM EMERSON BOX 60 APT C 14 MACDONALD COLLEGE 24 PICTOU RD TRURO N S	B SC AGR 4
PHILLIPSON JUDITH ARNA 10514 125TH ST EDMONTON ALTA	M S W 2
PHILPOTT FRANK SUMNER 40 EDGEHILL RD WESTMOUNT QUE	B ENG EL 5 HU 8 8010
PHILPOTTS GEOFFREY CLIVE 4 BRUNET AVE DORVAL QUE	B A 3 ME 1 1125
PHILPOTTS JOHN ALDWYN 4 BRUNET AVE DORVAL QUE	M SC 2 ME 1 1125
PHIPPS DONALD 5901 HUTCHISON ST MTL 17 BROWNS HILL DARTMOUTH DEVON ENGLAND	B SC 3 CR 7 8963
PICARD ROBERT ALEXANDER 112 BEVERLEY AVE TOWN OF MT ROYAL QUE	B A 1 RE 8 7815
PICK VERA RUTH 5105 CAVENDISH BLVD MONTREAL QUE	GRAD DIP 1 HU 8 5677
PICKERING MARY GWENDOLYN LAIRD HALL 79 DEMONTMOQUE AVE BOUCHERVILLE QUE	H S D DIP 1
PICKERSGILL DAVID N W 3573 HUTCHISON ST MTL 1527 PRINCESS ST REGINA SASK	B ENG CIV 5 VI 2 0601
PICKETT GEORGE EASTMAN 3484 DUROCHER ST APT 101 452 REBECCA ST MORGANTOWN W VA USA	MD CM 4 VI 4 4805
PICKLEMAN JACK RONALD 570 MILTON ST APT 16 MTL 769 BALL AVE WATERTOWN N Y USA	MD CM 1 VI 5 9547
PICKUP FELICITY J ROYAL VICTORIA COLLEGE 475 FRASER AVE QUEBEC 6 QUE	B A 3 VI 2 0634
PIEDALUE RICHARD STANTON 9272 TOLHURST ST MONTREAL 11 QUE	B ENG CIV 4 DU 9 7147
PIELA CARL BRITTAIN HALL 7106 19TH AVE VILLE ST MICHEL QUE	2 TCHRS 1
PIERSON ROBERT ARTHUR 425 MOUNT ROYAL AVE W 2489 O NEIL ST NIAGARA FALLS ONT	B SC 1
PIFFARFTTI RICHARD PIERRE 1572 MCGREGOR ST MONTREAL QUE	B ENG 2
PIKKSALU TIIT 4940 MACDONALD AVE MONTREAL 29 QUE	B ENG 2 HU 8 0485
PILCHER STEPHEN HATHAWAY 3435 JEANNE MANCE ST MTL 1131 NO 10TH ST CORVALLIS OREGON USA	GRAD QUAL 1
PILKINGTON EUNICE ISABEL ROYAL VICTORIA COLLEGE FOXHILL FRODSHAM CHESHIRE ENGLAND	B A 3 VI 2 0327
PILL JURI 12064 LAVIGNE ST MONTREAL 9 QUE	B ENG 1 FE 4 4242
PILLAI N G 1441 DRUMMOND ST MONTREAL QUE	PH D 3
PILON JOSEPH I R GERARD 328 STE MARIE ST JEAN QUE	M SC 2 FI 8 2948
PIMZOM MARIO DAGOBERTO 1592 PINE AVE APT 59 MONTREAL QUE	MED DIP 1 WE 3 0779
PINCHUK MARVIN 4912 LACOMBE AVE MONTREAL QUE	B SC 4 RE 8 4381
PINCHUK MURIEL MACDONALD COLLEGE 660 CAVEN CIRCLE ST LAURENT QUE	3 TCHRS 1
PINCUS NORMAN N 4612 VEZINA AVE MONTREAL QUE	B SC 3 RE 8 0617
PINEL JOHN FOWLER 318 BALLANTYNE AVE N MONTREAL WEST QUE	B ENG CIV 3 HU 6 4223
PINSKI MARCELI WIKTOR 3624 DECARIE BLVD APT 6 MONTREAL 28 QUE	M A 1
PINSKY CARL 658 QUERBES AVE OUTREMONT QUE	PH D 4 CR 1 8333
PINSKY DEBORAH SUE 4860 MAPLEWOOD AVE MONTREAL QUE	B A 1 RE 7 0592
PINSKY ESTELLE ROSLYN 4860 MAPLEWOOD AVE APT 18 MONTREAL QUE	B A 1 RE 7 0592

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NAME ADDRESS	COURSE & YEAR TEL. NO.
PINSKY JOEL ARNOLD 4910 MAPLEWOOD AVE APT 9 MONTREAL QUE	B C L 4 RE 3 7988
PINSKY MERRILLE FEINER 4511 MAPLEWOOD AVE MONTREAL 26 QUE	MD CM 1 RE 8 8620
PINSLER PETER IRVING 250 KENSINGTON AVE WESTMOUNT QUE	A & S COM 1 WE 2 9128
PIPER CHRISTOPHER JOHN 347 40TH AVE LACHINE QUE	B SC 2 ME 7 3481
PIPER JOHN CAMPBELL HUDSON HEIGHTS QUE	B COM 1
PIRHONEN MATTI JUHANI BRITTAIN HALL 681 SECOND AVE VAL D OR QUE	B SC AGR 1 GL 3 1828
PITBLADO MARJORIE JEAN 617 BELMONT AVE WESTMOUNT QUE	B A 2 HU 6 0217
PITTARO JOHN JOSEPH 7929 DUROCHER ST MONTREAL QUE	B ENG 2 CR 7 8886
PITTS MARY ROSE HELEN 5410 COTE ST LUC APT 2 MONTREAL QUE	M SC APP 1 HU 1 3193
PIVER IRENE 5575 CLANRANALD AVE MONTREAL QUE	B A 4 RE 3 6400
PIZZO ALBERT GENE 5045 LASALLE BLVD APT 10 5230 PIZZO RANCH RD LA CANADA CALIF USA	MD CM 4 PO 6 4093
PLAGEMANN PETER G W 6780 FIELDING AVE MONTREAL QUE	PH D 2 HU 1 6459
PLANIDIN TATIANA 3688 PARK AVE MTL 92 CRAIG ST N WINDSOR MILLS QUE	B SC 1 VI 2 4563
PLANT RAFE JAMES 3024 BRESLAY RD MONTREAL 6 QUE	B C L 4 WE 5 4570
PLASKETT IDA 4458 WESTERN AVE MONTREAL 6 QUE	M A 1 WE 2 7756
PLAW ANITA A ROYAL VICTORIA COLLEGE 320 WILLINGDON AVE KINGSTON ONT	B A 2 VI 9 0120
PLAW LIANE JANET 536 ROSLYN AVE WESTMOUNT QUE	B A 1 WE 2 8644
PLAXTON MARTHA ANN ROYAL VICTORIA COLLEGE 1270 MINAKI RD PORT CREDIT ONT	B A 4 VI 2 0477
PLOTNICK STANLEY 5851 DOLBEAU MONTREAL QUE	B COM 3
PLUMMER MADGE EILEEN 3510 LORNE AVE APT 1 MTL 4 MALVERN AVE KINGSTON JAMAICA W I	B COM 2 VI 9 5416
PLUMPTON ARTHUR JAMES B 107 FLORIDA DR BEACONSFIELD QUE	B ENG MET 4 OX 5 9838
PLUMPTON CLIFFORD WALLACE 107 FLORIDA DR BEACONSFIELD QUE	P E DIP 2 OX 5 9838
PLUSS WERNER HERMAN 4897 ROSEDALE AVE MONTREAL 29 QUE	B ENG CIV 5 HU 6 7801
POCHAIVSKY ZOYA 3487 NORTHCLIFFE MONTREAL QUE	MUS B 2 HU 4 2328
POCOCK JENNIFER MARGARET ROYAL VICTORIA COLLEGE LES NIEMES ST PETER JERSEY CHANNEL ISLANDS U K	B A 4 VI 2 0526
POFELIS SORYL 2110 BARCLAY AVE MONTREAL QUE	B A 4 RE 8 8915
POHR SYLVIA 6537 COOLBROOK AVE MONTREAL QUE	B SC 2 RE 3 9614
POLAND ANNE CUNLIFFE 495 PRINCE ARTHUR W APT 3 MONTREAL QUE	B L S 1 VI 4 7293
POLAND GEORGE WILLIAM 495 PRINCE ARTHUR W APT 3 MONTREAL QUE	B SC 2 VI 4 7293
POLAND JOHN CUNLIFFE 495 PRINCE ARTHUR W APT 3 MONTREAL QUE	M SC 1 VI 4 7293
POLANSKY BARBARA SHEILA 4890 MACKENZIE ST MONTREAL QUE	B A 2 RE 8 2680
POLATSHEK SOL JOSHUA 316 DUFFERIN RD HAMPSTEAD QUE	B ENG CIV 4 HU 8 4105
POLKKI LEO HENRY 2146 GIROUARD AVE MONTREAL 28 QUE	B ENG 2 HU 9 1552
POLLACK AARON 1827 NORTH AVE MONTREAL QUE	B C L 2 RE 8 1070
POLLOCK DAVID CARLETON 3473 UNIV ERSITY ST MTL R R 3 LACHUTE QUE	B ENG CIV 3
POLLOCK SHEILAH JOY 5139 WESTBURY AVE MONTREAL QUE	B A 4 RE 3 6963
POLLOWY GEORGE 3731 HUTCHISON MTL 109 LOTTRIDGE ST HAMILTON ONT	B ARCH 6
POLONI JOHN REGINALD 3471 PEEL ST MTL 201 LANE ST COLBALT ONT	B SC 2
POLSTER MANDEL SAMUEL 4650 DUPUIS AVE APT 12 MONTREAL QUE	B ED 3 RE 9 9227
POMERANZ BRUCE HERBERT 5476 BOURRET MONTREAL QUE	MD CM 4 RE 9 8239
PONDER ARTHUR AUBREY 1710 DORCHESTER ST W MONTREAL QUE	GRAD QUAL 1 WE 3 2316
POOLA MATTI 204 ST LEON AVE STRATHMORE DORVAL QUE	B ENG 2 ME 1 6525
POPE AUDREY J LAIRD HALL 40 50TH AVE LACHINE QUE	B SC H EC 4
POPE DOUGLAS GEORGE 6028 16TH AVE MONTREAL QUE	B ARCH 5 RA 5 4483
POPE JOHN OSBORNE W 52 FINCHLEY RD HAMPSTEAD QUE	B A 3 HU 6 7808
POPE ROSS BENNETT ALBERT 235 BROCK AVE N MONTREAL WEST QUE	B A 1 HU 4 7171

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NAME ADDRESS	COURSE & YEAR TEL. NO.
POPIERAITIS ANTHONY S 2427 SPRINGLAND AVE MONTREAL 20 QUE	MD CM 4 PO 8 9847
POPKIN DAVID RICHARD 23 ELMWOOD AVE SENNEVILLE QUE	B SC AGR 3 GL 3 2981
POPOVICI ADRIAN 751 KENASTON MONTREAL 9 QUE	B C L 2 RE 3 0609
POPPER BLUMA AVIVA 6700 MOUNTAIN SIGHTS MONTREAL QUE	B SC P OT 1 RE 8 3339
POPPO MARTIN JOSEPH 4790 PLAMONDON MTL 15 CHESTNUT ST RHINEBECK N Y USA	MD CM 4 RE 7 8131
PORTEOUS KENNETH CLARK 3468 DRUMMOND ST APT 503 MONTREAL 25 QUE	B ENG 2 VI 9 6645
PORTEOUS SARA ELIZABETH 594 COTE ST ANTOINE RD WESTMOUNT QUE	B A 1 HU 9 8147
PORTER ANN CAMILLE 2055 ST MARC APT 10 MTL 31 GROTON ST LAWRENCE MASS USA	GRAD DIP 1
PORTER JAMES G 403 GREENOCK AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 8 5011
PORTER KENNETH 6372 36TH AVE MONTREAL QUE	B ENG 2 CL 9 1548
PORTER SUSAN GLORIA STEWART HALL 73 ELIZABETH AVE GRANBY QUE	P E DIP 2 GL 3 1859
PORTFORS JOAN ELIZABETH LAIRD HALL 716 ALGONQUIN AVE MONTREAL 9 QUE	B ED 2
PORTNER ELEANOR 5531 PARKVIEW CRES MONTREAL 29 QUE	B SC 2 HU 4 2552
PORTNER OLIVER T 223 PERCIVAL AVE MONTREAL WEST QUE	B SC 3 HU 9 3101
PORTNER PEER MICHAEL 3616 DUROCHER ST APT 202 MONTREAL QUE	B SC 4 VI 2 4575
PORTNER RUTH LEE 3501 SHUTER ST APT 4 MONTREAL QUE	B A 4 AV 8 1986
PORTNOY JOSEPH 4083 ESPLANADE AVE MONTREAL QUE	B SC 3 AV 8 1768
PORTNUFF WENDY JOY 618 SYDENHAM AVE WESTMOUNT QUE	B SC 1 HU 1 7200
POSLUNS DONALD 3512 RUE DUROCHER APT 105 MONTREAL 18 QUE	M SC 1 VI 3 5130
POSPISIL JANE D 109 LEPAGE AVE LAKESHORE GARDENS APT 201 DORVAL QUE	2 TCHRS 2
POSTELNIK GERALD WILLIAM 12 MARIE ANNE ST W MONTREAL QUE	B C L 2 AV 8 5364
POSTOFF MYRNA SUE 1932 CLINTON AVE MONTREAL QUE	B A 1 RE 7 7048
POTTEL LINDA HELEN 545 ROSLYN AVE WESTMOUNT QUE	B A 2 WE 7 2488
POTTER WENDY KATHLEEN ROYAL VICTORIA COLLEGE 350 BLVD MAPLE GROVE BEAUHARNOIS QUE	B A 1 VI 2 0597
POTVIN RICHARD JOSEPH H 4924 DORNAL AVE MONTREAL 29 QUE	B SC 1 RE 7 7557
POULIN MADELEINE SUZANNE 3501 PEEL ST APT 58 MONTREAL 2 QUE	PARTIAL VI 5 9065
POULIN SANDRA JOAN 5051 CLANRANALD AVE MONTREAL QUE	B A 3 HU 1 3586
POULIOT GASTON 5164 LAFABRIQUE ST ST VINCENT DE PAUL CO LAVAL QUE	PH D 4 NO 1 7069
POUND JUDITH ELIZABETH 4854 VICTORIA AVE MONTREAL 29 QUE	2 TCHRS 2 HU 4 3270
POUND RICHARD W 529 KENASTON AVE MONTREAL 16 QUE	B COM 3 RE 3 6283
POUND THOMAS ALEXANDER 529 KENASTON MONTREAL 16 QUE	B A 1 RE 3 6283
POWELL ANNE M 1112 ELGIN TERRACE APT 201 MTL 410 CLOVERDALE RD ROCKCLIFFE PARK OTTAWA 2 ONT	MD CM 1 VI 2 3058
POWELL CAROLE ANN 3432 PEEL ST APT 301 MTL BOX 609 COPPER CLIFF ONT	B SC 3
POWELL ROBERT CHESTER S 3473 UNIVERSITY ST MTL 1525 MOSLEY PL S W ATLANTA 14 GA USA	M A 1 VI 9 1791
POWER NANCY LORRAINE 238 REMEMBRANCE RD ROSEMERE QUE	B A 1 NA 5 5233
POWER PETER C 3478 HUTCHISON ST APT 2 THE TAN HOUSE LAPWORTH WARWICKSHIRE ENGLAND	B COM 3 VI 4 9817
POWLES PERCIVAL MOUNT 3500 SHUTER MTL ST ANDREWS N B	PH D 2
POWTER DAVID THOMAS 234 ST ANNES ST STE ANNE DE BELLEVUE QUE	B SC AGR 1 GL 3 5745
POZNAK GERALD 5590 HUTCHISON ST OUTREMONT QUE	B A 1 CR 9 4375
POZNANSKY MARILYN 4943 VICTORIA AVE MONTREAL QUE	B A 2 HU 6 1723
PRAT OLIVIER CHARLES M H 1532 O PINE AVE MONTREAL QUE	B C L 4 WE 5 8305
PRATT BARBARA BELLE 3547 UNIVERSITY ST APT 5 ST PETERS BAY P E I	B N 2 AV 8 2040
PRATT GEOFFREY NORMAN 1585 MCGREGOR AVE APT 24 19 KENWOOD AVE SOUTHGATE LONDON N 14 ENGLAND	L L M 1 WE 7 0348
PRATT ROBERT ALAN 166 LAKESHORE DR DORVAL QUE	B C L 1 ME 1 3763

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NAME ADDRESS	COURSE & YEAR TEL. NO.
PRAZOFF JOY 6706 MERTON RD COTE ST LUC QUE	B A 1 HU 9 2263
PREBBLE DAVID AUSTIN DOUGLAS HALL 682 SAND COVE RD LANCASTER N B	B SC 1 AV 8 9575
PREDDIE CARLYLE ENRIQUE 3225 RIDGEWOOD AVE APT 102 MONTREAL QUE	PH D 1
PREDDIE CAROLE ELAINE 2297 MARCEILLE ST MONTREAL QUE	PARTIAL
PREISER FRANZ ANTON P O BOX 154 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 3
PRESCOTT BLAKE DANIELS 5125 BOURRET AVE APT 2 36 RIDGE RD E LONGMEADOW MASS USA	MD CM 4
PRESCOTT JAMES WHITTICK 6875 LASALLE BLVD VERDUN 2788 MISSION BLVD SAN DIEGO 8 CALIF USA	PH D 3 PO 6 8511
PRESLEY JOHN WILLIAM 305 92ND AVE L ABORD A PLOUFFE QUE	B ENG 1 MU 1 2080
PRESSMAN NORMAN EZRA P 5665 MACDONALD AVE MONTREAL QUE	B ARCH 5 RE 9 4644
PRESTON JOSEPH FITZGERALD 4370 GRAND BLVD MONTREAL 28 QUE	B COM 1 HU 8 7745
PRETTY LOUIS COOPER 600 ROCKLAND AVE MONTREAL 8 QUE	B ARCH 6 CR 7 1736
PREVATT BERNICE PHILIPPA LAIRD HALL 21 ARGYLE ST PORT OF SPAIN TRINIDAD W I	B SC H EC 1 GL 3 1830
PREVOST CHARLES 3170 MAPLEWOOD APT 14 5626 WOODBURY AVE MONTREAL QUE	M SC 2 RE 9 7380
PRICE EVERETT MELBOURNE 1441 CRESCENT ST MTL 82 BROOK ST AYLMER QUE	B SC 3
PRICE IAN EDWARD G DOUGLAS HALL 2099 MAYNE AVE VICTORIA B C	B COM 2 VI 5 7355
PRICE JOHN 4872 COTE DES NEIGES APT 3 MONTREAL QUE	MED DIP 3 RE 3 4231
PRICE PETER GORDON 456 PINE AVE W APT 1 MTL 188 CHEDOKE AVE HAMILTON ONT	MD CM 1
PRIDE CAROLINE E LAIRD HALL 5 WINDERMERE AVE DORVAL QUE	B SC H EC 4
PRIEST WILLIAM HERBERT 3431 DRUMMOND ST MTL BOX 311 AYER MASS USA	B A 1
PRINCE JOHN MICHAEL 2376 HAMPTON AVE MTL 21 FOND BLVD RIVERSIDE ONT	B COM 1 HU 1 4560
PRINCZ ELTON ANTHONY 2416 PARK ROW W MTL 74 PIETERMAAI CURACAO N A	D D S 4 HU 6 1841
PRINSKY ROBERT DAVID 707 GROSVENOR AVE WESTMOUNT QUE	B SC 2 HU 1 3528
PRISKO LILLI HEDDI 536 PINE AVE W APT 6 MONTREAL QUE	PH D 2 VI 5 7809
PRIVES JOE MARK 5611 CAMPDEN PL MONTREAL QUE	B SC 3 RE 8 7816
PROOS LEHO 6667 TRANS ISLAND AVE MONTREAL 29 QUE	B ENG 2 RE 3 1833
PROPPE HAROLD WALTER DOUGLAS HALL 567 ELGIN AVE WINNIPEG 2 MAN	B SC 2
PROULX PETER 6633 BORDEAUX ST MONTREAL QUE	PH D 2 RA 7 9489
PROVENCHER GASTON 708 WESTCHESTER DR BAIE D URFE QUE	B ENG EL 3 GL 3 5461
PRYDE DOROTHY GRACE 62 HENLEY AVE TOWN OF MT ROYAL QUE	B ED 3 RE 8 1749
PRYDE DOUGLAS SCOTT 62 HENLEY AVE MONTREAL 16 QUE	B C L 1 RE 8 1749
PRYOR WILLIAM FRANK MACDONALD COLLEGE BOX 49 CENTREVILLE CAR CO N B	B SC AGR 3
PRYSTASZ RAYMOND ROMAN 8265 DE L EPEE AVE MONTREAL QUE	B ENG EL 5 CR 6 1358
PSILINAKIS GEORGE P 3508 DUROCHER ST MTL P O BOX 87 ELIZABETH AVE NASSAU BAHAMAS	B ENG 1 VI 9 4352
PSILINAKIS NICHOLAS P 3508 DUROCHER ST MTL P O BOX 87 NASSAU N P BAHAMAS	B SC 2 VI 9 4352
PUCHINGER LASZLO 2630 BEDFORD RD MONTREAL QUE	D D S 2 RE 9 7994
PUDDY DELLA ANN 456 PINE AVE APT 37 MTL BOX 623 GREENWOOD B C	M SC 2 VI 4 8382
PURDIE ELLEN ANNE 91 BAYVIEW AVE PTE CLAIRE QUE	B ED P ED 2 OX 5 4557
PURDON BRIAN GEORGE BRITTAIN HALL 815 17TH ST CHARNY QUE	3 TCHRS 2
PURDON DEREK HOWARD 2304 REGENT AVE MONTREAL QUE	MD CM 1 HU 8 0903
PURDY CLAIRE LYLE MACDONALD COLLEGE R R 1 510 STE ONGE BLVD STE FLORE QUE	B ED 2
PURDY WINSTON HOWARD 4430 CAVENDISH BLVD MONTREAL 28 QUE	MUS B 2 HU 8 7885
PURVES JAMES GRANT 2 HUDSON AVE WESTMOUNT QUE	B A 2
PURVIS MARGARET MARY 1800 BOURGOGNE ST CHAMBLY QUE	PARTIAL OL 8 1530

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NAME ADDRESS	COURSE & YEAR TEL. NO.
PUSEY JONATHAN ELISHA BRITTAIN HALL JAMAICA W I	B SC AGR 4
PUSKAS IMRE 635 UNDERHILL PL MONTREAL QUE	PH D 3 AV 8 1628
PUTNAM THEODORE INMAN 3466 MCTAVISH ST MTL 671 WEST FERRY ST BUFFALO N Y USA	MD CM 3 AV 8 9533
PUTT JAMES BLAKE 50 ACADEMY RD WESTMOUNT QUE	PARTIAL WE 2 6161
PUTTERMAN LAWRENCE 6840 WILDERTON AVE MONTREAL QUE	B ENG CIV 5 RE 1 2107
PUUSEPP JACK 181 5TH PONT VIAU ST LAVAL QUE	B SC 1 MO 9 3283
PUUSEPP REET MACDONALD COLLEGE 181 FIFTH ST PONT VIAU QUE	2 TCHRS 1
PYKE PRUDENCE ELIZABETH 14 CHELSEA PL MTL HUDSON HEIGHTS QUE	B A 2 WE 3 4196
PYLKO DOLORES STELLA 4500 DE REPENTIGNY ST 157 BAKER ST SUDBURY ONT	B A 2 CL 9 4575

Q

QUASTEL BARBARA JOAN 3488 NORTHCLIFFE AVE MONTREAL QUE	B SC 1 HU 1 3475
QUASTEL DAVID MURRAY J 3640 HUTCHISON ST APT 1 MONTREAL QUE	PH D 2 VI 5 2327
QUAYLE DONALD JAMES 13 WINSTON CIRCLE PTE CLAIRE QUE	B ENG 2 OX 5 3995
QUAYLE ELIZABETH SCOTT 319 TUDOR AVE ST LAMBERT QUE	B SC 1
QUEVEDO ARTHUR ROBERT DOUGLAS HALL 9A AVENIDA 6 75 ZONA 14 GUATEMALA CITY GUATEMALA C A	MD CM 2
QUICK RONALD WILLIAM 5820 JEANNE ST APT 8 MONTREAL QUE	B ENG 2
QUILLIAMS BEVERLEY JEAN MACDONALD COLLEGE FOSTER QUE	2 TCHRS 2
QUINLAN JOHN B 34 FORDEN CRES WESTMOUNT QUE	B ENG MCH 4 HU 1 4613
QUINLAN MARY E 50 OAKLAND AVE WESTMOUNT QUE	B A 2 HU 1 5724
QUINLAN VALERIE ANN 34 FORDEN CRES WESTMOUNT QUE	B A 1 HU 1 4613

R

RABIN LEON JULIUS 2080 BARCLAY AVE MONTREAL QUE	B SC 2 RE 7 9024
RABINOVITCH ALEXANDER 5797 DEOM AVE MONTREAL 8 QUE	B SC 4 RE 8 1478
RABINOVITCH IRVING 1938 BARCLAY AVE MONTREAL QUE	B A 3 RE 7 8818
RABINOVITCH MARVIN 8535 OUTREMONT AVE MONTREAL QUE	B ENG CH 3 CR 7 7957
RABINOVITCH MICHAEL DAVID 4997 GROSVENOR AVE MONTREAL QUE	B COM 1 RE 7 4327
RABINOVITCH ROBERT 3004 BRIGHTON AVE MONTREAL QUE	B COM 1 RE 7 5614
RABOW FRED IAN 4660 CARLTON MONTREAL QUE	B SC 2 RE 7 2315
RABY JACOB ISRAEL 1066 ST VIATEUR ST W OUTREMONT QUE	B A 4 CR 1 7457
RACHELS SERENA WHITEMAN ROYAL VICTORIA COLLEGE 365 W 20TH ST NEW YORK 11 N Y USA	B A 1 VI 2 0597
RACHEVSKY VICTOR 9730 DELORIMIER AVE MONTREAL 12 QUE	B ENG 1 DU 8 8763
RACINE MADELEINE STELLA M 1850 ST JOSEPH BLVD E APT 3 MONTREAL 34 QUE	GRAD DIP 1 LA 5 9017
RACK JOSEF LOUIS 9150 DIRVAL ST MONTREAL 11 QUE	B ENG 1 DU 1 5717
RADLER FRANKLIN DAVID 1975 CLINTON MONTREAL QUE	B COM 2 RE 7 3806
RAFF HEATHER ANN 3800 BROADWAY APT 9 LACHINE QUE	H S D DIP 1 ME 4 2685
RAFF MARTIN CHARLES 622 MURRAY HILL WESTMOUNT QUE	MD CM 2 HU 4 4871
RAFF RISA LYNDA 3720 THE BOULEVARD WESTMOUNT QUE	B A 1 HU 8 5732
RAFMAN NANCY REGINA 320 DUFFERIN RD MONTREAL QUE	B A 2 HU 8 5051
RAFMAN SANDRA 320 DUFFERIN RD HAMPSTEAD QUE	B A 3 HU 8 5051
RAHDJOU AHMAD 3416 DRUMMOND ST MTL KOUTCHE HAJY GHAZY 3 KHORASSAN AVE TEHERAN IRAN	PARTIAL VI 4 0659
RAIMI CYNTHIA VERONA 3489 HUTCHISON ST MONTREAL 18 QUE	B SC P OT 3 AV 8 4858
RAINEY CHRISTOPHER A 631 PRINCE ARTHUR W APT 2 MONTREAL QUE	B A 3
RAKSHPAL RAM P O BOX 160 MACDONALD COLLEGE DEPT OF ZOOLOGY LUCKNOW UNIVERSITY LUCKNOW INDIA	PH D 3
RAM OBRAHAM 496 BLOOMFIELD AVE OUTREMONT QUE	M A 3 CR 4 8700
RAMAN ANNE ELIZABETH 5110 SHERBROOKE ST W APT 15 MONTREAL QUE	PH D 4 HU 8 8885
RAMANAUSKAS VICTOR M 373 PRINCE ARTHUR APT 4 101 WATSON AVE OAKVILLE ONT	B SC 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
RAMBAUT PAUL CHRISTOPHER 2039 MCGILL COLLEGE AVE APT 14 MONTREAL 2 QUE	B SC 3
RAMCHARAN ALFRED JOSEPH BRITTAIN HALL RIO CLARO TRINIDAD W I	2 TCHRS 2
RAMESAR SIMON C L 6091 WILDERTON AVE OUTMT TRINIDAD W I	MED DIP 1 RE 9 8287
RAMSAY GREGOR VAN WYCH 4546 WILSON AVE MONTREAL 28 QUE	B ENG 2 HU 4 9100
RAMSAY ROBERT ALEC 8106 KILDARE RD COTE ST LUC QUE	MD CM 3
RAMSEY PAUL RACINE 3435 GREY AVE MONTREAL QUE	B A 3 HU 8 9052
RAMSEYER JUDITH 456 PINE AVE W APT 37 59 RICHMOND DR OLD GREENWICH CONN USA	MD CM 3 VI 4 8382
RANADIVE NARENDRANATH S 3485 DUROCHER ST MTL GORDHADDAS MANSION 72 SUPARIBAUG RD PAREL BOMBAY 12 INDIA	PH D 1 VI 4 0321
RAND SERGE MARTIN 3431 DRUMMOND ST MTL 12 SHERWOOD DR BEDFORD MASS USA	B A 1
RAND SHERRILL MARIE 23 ELLERDALE RD HAMPSTEAD QUE	B A 3 HU 4 0284
RAND SUSAN BAXTER 1009 SHERBROOKE ST W MTL 67 AGNES ST KITCHENER ONT	B A 2 VI 4 0426
RAND WILLIAM A 23 ELLERDALE RD HAMPSTEAD QUE	B COM 2 HU 4 0284
RANDAL LINDA KATHLEEN 109 CLAUDE AVE DORVAL QUE	B A 4 ME 1 3729
RANDELL ROBERT LATHAM BOX 140 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 2
RANDOLPH BRENDA ANNE 4960 DORNAL AVE MONTREAL QUE	B A 3
RANDOLPH GEORGE CHARLES 1441 DRUMMOND ST MTL 184 VAN NOSTRAND AVE ENGLEWOOD NEW JERSEY USA	B SC 1
RANDOLPH WILLIAM EDWARD 1585 MCGREGOR AVE MONTREAL QUE	B SC 1
RANKIN PAUL B 3325 DECELLES PL APT 204 1135 CHARTIERS ST BRIDGEVILLE PA USA	D D S 4 RE 7 8919
RANSOM PAUL WILLIAM 57 SOMERVILLE AVE WESTMOUNT 6 QUE	B ENG 2 HU 1 9783
RAPHAEL OSWALD FRANCIS L 6012 SHERBROOKE ST W APT 4 MONTREAL QUE	M A 2 HU 9 0780
RAPOPORT OLGA 1452 BISHOP APT 22A MONTREAL QUE	B SC 4 VI 9 6827
RAPOPORT WESLEY 5583 GLENCREST AVE COTE ST LUC QUE	MD CM 3 HU 6 1459
RAPP NORMAN HIRSCH 3540 NORTHCLIFFE MONTREAL 28 QUE	B SC 2 HU 4 5041
RAPPOPORT DENA 2605 SOISSONS AVE MONTREAL QUE	3 TCHRS 1 RE 3 7028
RASHID SYED AKHTAR 4610 PLAMONDON APT 3 HAZARIBAGH BIHAR INDIA	MED DIP 4 RE 8 4076
RASHID ZAHIDUR 2027 CITY COUNCILLORS ST MONTREAL QUE	M SC 1
RATHBURN GEORGE S 5217 SHERBROOKE ST W APT 49 MONTREAL QUE	B SC 1 HU 1 7178
RATTEE DAVID ARTHUR 24 RUSSELL AVE TOWN OF MT ROYAL QUE	B COM 1 RE 3 3003
RATTNER ELLEN GORGIA 3245 LINTON AVE APT 12 MONTREAL 26 QUE	B A 3 RE 7 6886
RAUCH SAM 5921 CLARK ST MONTREAL QUE	B ENG 1 CR 4 7648
RAUCH SOL 5921 CLARK ST MONTREAL QUE	B ENG EL 4 CR 4 7648
RAUD HEINZ RANDAR 5395 WESTMORE AVE MONTREAL QUE	B SC 2 HU 9 8772
RAUDSEPP JOHN 3435 HINGSTON AVE MONTREAL QUE	B ENG CIV 4 HU 1 1716
RAUF NASEEM 3643 UNIVERSITY ST MONTREAL QUE	PARTIAL VI 5 1082
RAVENSCROFT CAROL E 135 THORNCREST AVE DORVAL QUE	B A 1 ME 1 0369
RAVINSKY SEYMOUR JOSEPH 11770 DE TRACY ST MONTREAL QUE	B SC 1 FE 4 2400
RAWAS NINETTE SARAH 578 ROSLYN AVE MONTREAL QUE	B A 1 HU 8 5006
RAWAS SOL MONY 856 PLYMOUTH AVE TOWN OF MT ROYAL QUE	B COM 2 RE 3 6138
RAY JOHN NORMAN 8661 BASSWOOD AVE APT 3 MONTREAL QUE	B ENG 2
RAYE JEAN STAFFORD ROYAL VICTORIA COLLEGE 21 GENEVA RD MELROSE 76 MASS USA	B A 4 VI 2 0526
RAYMOND GARY CLAYTON 140 THORNCREST AVE DORVAL QUE	B SC AGR 2 ME 1 0280
RAYMOND PIERRE 2400 BENNY CRES MONTREAL QUE	B C L 4 HU 8 2027
RAYNAULT PAUL MARCEL A G 6563 LOUIS HEMON MONTREAL 35 QUE	B SC 4 RA 7 5515
RAYNER JOHN NORMAN 3553 SHUTER ST APT 1 MONTREAL 18 QUE	M SC 3 VI 5 0036
RAYNES ESTELLE DOREEN 4913 DORNAL MTL 530 POLSON AVE WINNIPEG 4 MAN	M S W 1 RE 7 7466
RAYSIDE JOHN STUART 321 KINDERSLEY MONTREAL 16 QUE	B ENG 1 RE 8 6601

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NAME ADDRESS	COURSE & YEAR TEL. NO.
RAYSIDE MARION LAN 468 STRATHCONA AVE WESTMOUNT QUE	B A 1 WE 7 2404
RAYUDU GARIMELLA V S 3489 DUROCHER APT 5 MTL GANGALAKURRU VIA AMBAJIPETA AMALAPURAM TQ E G DT ANDHRA INDIA	PH D 4 VI 4 3559
RAZAC RAFFIEUDEEN 3443 DUROCHER APT 23 MTL 48A MUCURAPO RD P O S TRINIDAD W I	B SC 2 VI 5 6562
READ ROBIN ELIZABETH STEWART HALL 35 HIGHLAND DR TRURO N S	B SC H EC 3
READING PEGGY CHRISTINE 46 DEVON RD BEACONSFIELD QUE	MUS ASSOC 1 OX 5 5618
REAVY PATRICIA WINIFRED A 278 LOISELLE PL PINCOURT ILE PERROT QUE	B SC 1 GL 3 2014
RECTER DIRK HENDRIK BRITTAIN HALL TYHOFSLOON 41 ALMELO HOLLAND	B SC AGR 4
REDDING FOSTER KINYON 406 PINE AVE APT 62 MTL 482 S CREA ST DECATUR ILL USA	PH D 1 VI 5 3828
REDDON JOHN 5583 WOODBURY MTL 955 MAITLAND ST LONDON ONT	D D S 4 RE 1 7117
REDFERN JAMES MARTIN BRITTAIN HALL MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 4
REDINGTON ANTHONY LOVELL 3466 MCTAVISH ST MTL DUBLIN N H USA	MD CM 1 AV 8 9533
REDMAN HARMAN BARROW 548 PRINCE ARTHUR ST W CENTRAL ROMANA LA ROMANA DOMINICAN REPUBLIC	B SC 3 VI 2 0877
REDMAN WINSTON ANTHONY 1161 MT ROYAL BLVD W MTL CENTRAL ROMANA DOMINICAN REPUBLIC	B A 3 CR 1 9432
REDMOND JOHN EDGAR P O BOX 172 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC APP 2
REDMOND MARY MAYBELLE NURSE RESIDENCE JEWISH GENERAL HOSPITAL COTE DES NEIGES RD MONTREAL QUE	GRAD DIP 1 RE 8 1131
REDPATH BEATRICE 527 VICTORIA AVE WESTMOUNT QUE	B COM 1 WE 7 5412
REECE DAVID JULES WILSON HALL 5 ALCAZAR ST ST CLAIR PORT OF SPAIN TRINIDAD W I	B ENG 1
REED HEATHER AMY 4383 WESTERN AVE WESTMOUNT QUE	B SC 2
REED JANE ADELLE 3075 THE BOULEVARD MONTREAL 6 QUE	B A 2 WE 3 4489
REED RICHARD REA 2080 LINCO LN AVE MTL 312 MAPLE ST BURLINGTON VT USA	D D S 2 WE 2 5251
REED RONALD CUBBON 3660 DUROCHER 16002 41ST AVE N E SEATTLE 55 WASH USA	MD CM 3 AV 8 5933
REEKIE CHARLES IAN M MACDONALD COLLEGE 29 SPATT RD RIDSBURY MANCHESTER 20 U K	B SC AGR 4
REES ELIHU P 3530 DUROCHER ST MONTREAL QUE	MD CM 2 AV 8 3491
REES PETER WILLIAM 3506 UNIVERSITY ST MTL 141 PRINCE GEORGE AVE SOUTHGATE LONDON N 14 ENGLAND	B A 4 VI 4 0624
REEVE CHARLES E 3647 DUROCHER ST APT 9 3201 27TH ST VERNON B C	MD CM 3 VI 9 8936
REFETOFF SAMUEL 3115 LINTON MONTREAL QUE	MD CM 2 RE 3 2968
REGAN ANN PATRICIA MARY 3756 THE BOULEVARD MONTREAL QUE	B SC N 1 HU 8 2766
REGESTEIN QUENTIN RODNEY 3654 HUTCHISON MTL 3 BONLLER RD RYE NEW YORK USA	MD CM 1
REICH HARRIET 729 WILDER AVE MONTREAL QUE	B SC 4 CR 1 9341
REICH JUDY IDA 4300 WESTERN AVE APT 304 MONTREAL QUE	B A 3 WE 4 1648
REICH THEODORE 1001 MT ROYAL BLVD W MONTREAL QUE	MD CM 2 CR 2 3942
REICHERT HELMUT WILSON HALL 3019 AVE BOULOGNE ST FOY QUEBEC 10 QUE	B SC 2
REICHSTEIN HYMAN 675 CAVEN CIRCLE ST LAURENT QUE	B ENG EL 4 RI 4 6626
REID ALISON M LAIRD HALL R R 3 HUNTINGDON QUE	B SC H EC 4
REID ANTHONY FELIX M 12235 SOMERSET RD MONTREAL QUE	B A 3 FE 4 7685
REID DENNIS F 574 COTE ST ANTOINE RD WESTMOUNT QUE	B SC 3 HU 1 4617
REID DOUGLAS GRAHAM BRITTAIN HALL PORT HILLFORD GUYS CO N S	B SC AGR 3
REID EDITH ANNE 4673 EARNSCLIFFE AVE MONTREAL 29 QUE	B SC 2 HU 6 3595
REID GLENNA MARY 250 UNION BLVD ST LAMBERT QUE	B ED 3 OR 1 1674
REID MALCOLM ADDISON 574 COTE ST ANTOINE RD 539 ROOSEVELT AVE OTTAWA ONT	B A 1 HU 1 4617
REID NANCY JOAN ROYAL VICTORIA COLLEGE 31 WOLSELEY S MONTREAL WEST QUE	B ED PED 4 VI 2 0327

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NAME ADDRESS	COURSE & YEAR TEL. NO.
REID THOMAS EYMARD 7442 OSTELL CRES MONTREAL 9 QUE	B A 1 RE 8 2970
REID WALTER ROBERT 6573 14TH AVE MONTREAL QUE	B ENG 2 RA 2 9429
REILLY HERBERT DAVID 210 CHESTER AVE MONTREAL 16 QUE	B ENG CIV 4 RE 8 3473
REIM WILLIAM MARTIN 3790 MACKENZIE ST MONTREAL QUE	B A 1 RE 7 8837
REIMAN LIONEL MOISHE 30 ST CUTHBERT ST MONTREAL QUE	B SC 1 VI 9 6753
REIMER ARNOLD S 4815 QUEEN MARY RD MONTREAL 26 QUE	B COM 2 RE 9 5632
REINBLATT LILIAN 4520 ROSEDALE MONTREAL QUE	B C L 3 HU 4 1486
REINER THOMAS 2191 MAPLEWOOD AVE APT 30 MONTREAL QUE	B ENG MCH 5 RE 3 3419
REISCH MICHAEL LAWRENCE 11895 FILION ST MONTREAL 9 QUE	B ENG 1 FE 4 0328
RENDLEMAN DAVID DOUGLAS 532 MIDVALA UNIVERSITY CITY MISSOURI USA	MD CM 1
RENNALLS JOAN ISABELLE ROYAL VICTORIA COLLEGE SUNNYSIDE MAY PEN JAMAICA W I	B SC 2
RENNERT ELIZABETH L 5320 WALKLEY AVE APT 308 MONTREAL QUE	H S D DIP 1 HU 8 1377
RENNERT ERIC 5320 WALKLEY AVE APT 308 MONTREAL QUE	MD CM 2 HU 8 1377
RENNERT MICHAEL D 38 CRESSY RD HAMPSTEAD QUE	D D S 2 HU 9 6659
RENNIE CLEO ANN 3597 JEANNE MANCE ST MTL ABBEY SASK	GRAD DIP 1 VI 9 4961
RENNIE CYNTHIA JANIS LAIRD HALL 16 JOHN SHAW AVE ARIMA TRINIDAD W I	B SC H EC 1 GL 3 1830
RENWICK ROGER DE VEER 3511 PEEL ST MTL C O ROYAL BANK OF CANADA GRENADA T W I	B COM 3 VI 4 4777
REPLOGLE ANNE 3511 LORNE AVE MONTREAL 18 QUE	PH D 2 VI 4 0012
RESIN HOWARD 2540 STEVENS ST ST LAURENT QUE	B SC MDCM 1 RI 4 2923
RESNICK ANN 4857 PLAMONDON AVE MONTREAL 26 QUE	B SC P OT 1 RE 8 6921
RETALLACK ELIZABETH J 630 UPPER WOODLANDS CHATEAUGUAY CO QUE	B A 2 OX 2 4900
REVELLE ROSS WILLIAM BRITTAIN HALL 1360 GUERTIN ST ST LAURENT QUE	B SC AGR 1 GL 3 1828
REYES VIRGILIO TRINIDAD 3677 PEEL ST MTL 2060 M NATIVIDAD STA CRUZ MANILA PHILIPPINES	L L M 1 VI 5 8513
REYNARD GEORGE FREDERICK 136 SECOND AVE VERDUN 19 QUE	B ENG 1 PO 9 6284
REYNOLDS ALAN JOHN DOUGLAS HALL 2 OAKHURST RD BRISTOL 9 ENGLAND	B ENG 2
RICARDO VIANELLA QUEEN ELIZABETH HOSPITAL MONTE CHRISTY DOMINICAN REP	MED DIP 2 HU 8 2311
RICCI LOUIS MICHAEL 3651 DUROCHER MTL 214 LISBON AVE BUFFALO N Y USA	B A 2 VI 4 7620
RICH ANN CLAIRE 149 ST LOUIS PTE CLAIRE QUE	2 TCHRS 1 OX 5 4286
RICHARD JACQUES 12272 BEAUSESOUR CARTIERVILLE QUE	B C L 4 FE 4 0899
RICHARD JEAN W 1158 HOPE AVE APT 4 MONTREAL 25 QUE	B SC 2 WE 7 9066
RICHARDS DONALD PETER 201 METCALFE AVE APT 527 WESTMOUNT QUE	B A 1 WE 5 2730
RICHARDS MICHAEL LAURENCE 101 PERCIVAL AVE MONTREAL WEST QUE	B C L 1 HU 8 5975
RICHARDS THOMAS FRANKLIN 3660 PEEL ST APT 6 MTL 324 ROSS AVE SARNIA ONT	B ARCH 6 VI 5 7730
RICHARDSON ANGELA LOWERY 629 CLARKE AVE WESTMOUNT QUE	B A 1 WE 3 5568
RICHARDSON JOHN B 3644 ONTARIO AVE APT 63 71 MONTGOMERY BLVD KINGSTON ONT	MD CM 3 VI 5 7393
RICHARDSON KEITH ST CLAIR 3583 DUROCHER APT 3 MTL FIENNES AVE BASSETERRE ST KITTS T W I	PH D 2 VI 9 0678
RICHARDSON ROBERT ALAN 1441 DRUMMOND ST MTL 45 HOLBORNE AVE TORONTO 6 ONT	M A 1 VI 9 4171
RICHER GILLES 760 VALIQUETTE VERDUN QUE	B COM 1 PO 6 6512
RICHER SIMON LOUIS JEAN CENTRE PSYCHIATRIQUE STE ANNE 1 RUE CABANIS PARIS XIV FRANCE	MED DIP 4
RICHER STEPHEN IRWIN 4589 HAMPTON AVE MONTREAL QUE	B A 3 HU 6 0962
RICHLER SHEILA 2607 SOISSONS AVE MONTREAL 26 QUE	3 TCHRS 1 RE 8 7726
RICHMAN ANNA 7022 CHESTER AVE MONTREAL QUE	B SC P OT 1 HU 6 2754
RICHSTONE ESTA TOBA 4665 CIRCLE RD MONTREAL QUE	2 TCHRS 2 HU 4 0846
RICHSTONE MARTIN ELLIS 4585 DUPUIS AVE APT 10 MONTREAL 26 QUE	B SC 2 RE 9 0173
RICHTER IRIS LIPPELD 5055 COTE ST LUC APT 47 MONTREAL 29 QUE	M SC APP 2 HU 9 6950

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
RICHTER MAXWELL 5055 COTE ST LUC APT 47 MONTREAL QUE	HU 9 6950	MD CM 2
RICHTER ROLF WILLI 4845 BEAUCHEMIN ST MONTREAL 36 QUE	RA 2 6540	B ENG 1
RICKARDS ANTHONY ERIC P O BOX 92 HUDSON QUE	BE 6 4875	PH D 2
RIDDELL ALISTAIR ANDREW 3508 UNIVERSITY ST MTL 2 85 ST ANDREWS RD BAIE D URFE QUE	VI 4 0752	B D 2
RIEGER MALVINA 11525 LAFOREST ST MONTREAL 12 QUE	FE 4 4776	B A 1
RIFF IVAR ISAAC 680 WISEMAN AVE OUTREMONT QUE	CR 2 9468	B SC 1
RIGA JAAK 5155 RANDALL AVE APT 8 MONTREAL QUE	HU 8 5183	B ENG 1
RIGSBY GREGORY URBAN 3524 LORNE AVE APT 6 MONTREAL QUE		M A 1
RIKER LOIS CATHERINE 293 VICTORIA DT BAIE D URFE QUE	GL 3 6163	B ED 2
RILEY ELKADA STEWART HALL 34 JACKSON RD WINDWARD RD KQN 2 JAMAICA W I		B SC AGR 3
RILEY ROSS DUNCAN 63 COURTLAND AVE DORVAL QUE		B COM 1
RIMKUS HEDWIG IRMGARD MACDONALD COLLEGE 1008 5TH AVE VAL D OR QUE		3 TCHRS 1
RIMOIN DAVID L 5620 RANDALL AVE COTE ST LUC QUE		M SC 2
RINFRET PETER DONALD 1610 CALEDONIA RD TOWN OF MT ROYAL QUE	RE 7 2705	B ENG CIV 3
RIORDON ERIC CARL 39 ARLINGTON AVE WESTMOUNT QUE	WE 7 3317	B SC 3
RIORDON JOHN SPRUCE 2055 CLOSSE ST APT 3 MTL R R 1 DUNHAM QUE	WE 5 9439	M ENG 1
RIORDON PETER ROBERT 2055 CLOSSE ST APT 3 MTL R R 1 DUNHAM QUE		B SC 4
RISEBOROUGH BRIAN EDWARD 82 ROUGEMONT ST VILLE JACQUES CARTIER QUEBEC	OR 4 7162	B ENG MCH 5
RISEBOROUGH HAZEL JEAN V 82 ROUGEMONT ST JACQUES CARTIER QUE	OR 4 7162	B SC 1
RITCHIE DAVID NORMAN 110 IRVINE AVE WESTMOUNT QUE	WE 2 9053	B A 3
RITCHIE DOUGLAS MALCOLM 3434 MCTAVISH ST MTL COTE ST CHARLES RD HUDSON HTS QUE	VI 2 4492	B SC 3
RITCHIE ELIZABETH STEWART ROYAL VICTORIA COLLEGE 540 MANOR AVE OTTAWA 2 ONT	VI 2 0594	B A 3
RITCHIE ESTELLE 4893 FULTON ST MONTREAL QUE	RE 8 2996	B A 3
RITCHIE SHEILA NAOMI W 682 ROSLYN AVE WESTMOUNT QUE	HU 6 6447	B A 1
RITCHOT CLAUDE BOX 163 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE		PH D 2
RIVARD ROBERT CARL 4705 WEST BROADWAY AVE MONTREAL 28 QUE	HU 1 9613	B SC 2
RIVERE JOYCE BEVERLY 392 NOTRE DAME ST ST LAMBERT QUE		B SC 1
RIVERO ALBERTO JOSE D DOUGLAS HALL C O DR A RIVERO APTDO 5124 ESTE D F CARACAS VENEZUELA		B SC 3
RIVIERE WILLIAM EMANUEL 3622 DUROCHER ST APT 303 397 FRANCIS LANE ROSEAU DOMINICA W I		B ENG 2
RIZZO ARTHUR JOSEPH S 5266 5TH AVE MONTREAL 36 QUE	LA 1 6092	B ENG 1
ROBB JUDITH GRACE 32 FORDEN AVE WESTMOUNT QUE	HU 6 7437	B A 4
ROBB MARGARET 1420 TOWERS ST APT 318 MONTREAL 25 QUE	WE 2 5748	M A 2
ROBB WILLIAM DAVID 419 ROSLYN AVE WESTMOUNT QUE	WE 7 2149	B SC 1
ROBERGE JACQUES BENOIT P 5565 DUNMORE MTL PHILIPSBURG QUE	RE 9 1596	B ENG EL 4
ROBERT DE MASSY PHILIPPE 709 UPPER ROSLYN AVE WESTMOUNT QUE	HU 4 1558	B C L 1
ROBERTS JAMES DUNLOP 629 LONDON ST SHERBROOKE QUE		B ARCH 2
ROBERTS JANE EVELYN 36 CEDAR AVE PTE CLAIRE QUE	OX 5 4075	2 TCHRS 2
ROBERTS JOHN JOSEPH 3573 HUTCHISON ST MTL 430 PELHAM ST METHUEN MASS USA	VI 2 0601	B SC 3
ROBERTS JOHN S 1720 DORCHESTER ST W APT 14 MONTREAL QUE	WE 3 4093	D D S 3
ROBERTS NANCY HELEN 371 CLAREMONT AVE WESTMOUNT 6 QUE	HU 6 5726	2 TCHRS 2
ROBERTS ROBERT GWILYM 3610 DUROCHER ST MONTREAL 18 QUE		M SC 1
ROBERTSON ANDREW ARTHUR D 487 VICTORIA AVE WESTMOUNT QUE	WE 7 1539	B A 2
ROBERTSON A MURRAY 5601 QUEEN MARY RD HAMPSTEAD QUE	HU 4 7392	B ENG CIV 5
ROBERTSON DOUGLAS C 3507 MOUNTAIN ST APT 2 MONTREAL QUE	VI 9 3367	B C L 2
ROBERTSON IAN 365 REDFERN AVE WESTMOUNT QUE	WE 5 2089	B A 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ROBERTSON IAN BRUCE 604 CLARKE AVE WESTMOUNT QUE	B A 4 WE 7 8006
ROBERTSON JAMES COLLETT 4541 OXFORD AVE MONTREAL QUE	B SC 3 HU 6 2655
ROBERTSON LYNN TINGLEY 3480 ONTARIO AVE MTL 19 GREENWOOD AVE HALIFAX N S	B SC P OT 3 VI 2 0044
ROBERTSON MARGARET 12000 SALK AVE MONTREAL 12 QUE	B A 2 DA 2 5993
ROBERTSON MARION GIBBONS 427 WOOD AVE MONTREAL QUE	B A 2 WE 2 7934
ROBILLARD JOSEPH JEAN L 8270 LAJEUNESSE APT 6 MONTREAL QUE	B ARCH 2 CR 4 2274
ROBILLARD MARIE HENRIETTE 51 BELVEDERE CIRCLE WESTMOUNT QUE	B A 3 WE 5 6187
ROBINSON ALAN REGINALD 625 CARDINAL ST ST LAURENT QUE	B ENG 2 RI 7 2017
ROBINSON ALLAN HOBEN 66 THURLOW RD MONTREAL 29 QUE	B ENG MEC 4 HU 4 5361
ROBINSON ALLEN TEASDALE 3531 JEANNE MANCE APT 6 DUDLEY HILL PAGET WEST BERMUDA	B SC 2
ROBINSON DAVID 4912 CIRCLE RD MONTREAL QUE	B C L 2 HU 4 7638
ROBINSON DONALD ROSS BRITTAIN HALL LACOLLE QUE	AGR DIP 2 GL 3 1997
ROBINSON GEOFFREY LYLE DOUGLAS HALL 248 ROSSINI BLVD WINDSOR ONT	B COM 3 VI 4 0977
ROBINSON HILARY JEAN 3415 ONTARIO AVE APT 2 MONTREAL 25 QUE	M SC 1 VI 5 2596
ROBINSON JENNIFER MAUD 624 MURRAY HILL WESTMOUNT QUE	B SC N 2 HU 4 4863
ROBINSON MARTIN 4912 CIRCLE RD MONTREAL QUE	B A 1 HU 4 7638
ROBINSON VADA JOAN 1547 MCGREGOR ST MTL 1930 YONGE ST APT 309 TORONTO ONT	GRAD DIP 1 WE 3 0256
ROBSON JACK DOUGLAS 3550 LORNE AVE APT 4 MTL 633 SECOND ST S KENORA ONT	B ED PED 4
ROCHE ALBERT JOHN 1947 ST LUKE ST APT 3 4 COBB LN CORNER BROOK NFLD	MD CM 2 WE 2 7905
ROCHEFORT JULIEN 434 ST JOSEPH BLVD W MTL 402 BOUCHETTE ST SHERBROOKE QUE	MED DIP 1 CR 4 9091
ROCKINGHAM JOHN ROBERT M 366 KITCHENER AVE WESTMOUNT QUE	B ENG CIV 5 WE 7 3803
RODAL BEREL NAFTULI 4660 VAN HORNE AVE MONTREAL QUE	B SC 1 RE 1 6072
RODGER JANE ALICE STEWART HALL 992 SECOND AVE VAL D OR QUE	P E DIP 1
RODGER KENNETH WILLIAM MACDONALD COLLEGE R R 2 LACHUTE QUE	AGR DIP 1 GL 3 1997
RODGERS JUDITH MARY 5530 VICTORIA AVE APT 7 MONTREAL QUE	PARTIAL RE 3 5234
RODGERS LAWRENCE ALBERT 295 50TH AVE LACHINE QUE	H S D DIP 1 ME 7 2676
RODIER DAVID DONALD 430 SANFORD AVE ST LAMBERT QUE	B ENG 1 OR 1 6684
RODIER IRWIN JULES 4562 STANLEY WEIR ST MONTREAL 29 QUE	B ENG 1 RE 8 9589
RODRIGO MUHANDIRAHAGE W NO 27 RIGHT CIRCULAR RD JAYANTHIJURA BATTASAMIELLA CEYLON	GRAD DIP 1
RODRIGUES ALBERT EDWARD 3638 DUROCHER MTL ST PAULS HOSPITAL ANNEX CAUSEWAY BAY HONG KONG	B SC 3
RODRIGUEZ ADELA ELIZABETH ROYAL VICTORIA COLLEGE 100 PARK RD ROCKCLIFFE PARK OTTAWA ONT	B A 4 VI 2 0526
RODRIGUEZ SOPHIE TERESA 4877 LACOMBE AVE MTL 110 FREDERICK ST PORT OF SPAIN TRINIDAD W I	D D S 4 RE 8 1739
ROGERS EILEEN ANN 3784 VENDOME AVE MONTREAL QUE	B SC P OT 1 HU 8 6417
ROGERS GORDON HARTT 2055 CLOSSE ST APT 3 MTL 322 MAPLE AVE PEMBROKE ONT	B COM 3
ROGERS LAWRENCE D 210 CARLYLE AVE TOWN OF MT ROYAL QUE	B SC 2 RE 8 3681
ROGERS ROBERTA ANN MURIEL 210 CARLYLE AVE TOWN OF MT ROYAL QUE	B A 4 RE 8 3681
ROGERS TIMOTHY BENSON H 110 LAKESHORE RD PTE CLAIRE QUE	B ENG 1 OX 5 2747
ROGG FAY RUTH 5020 ST KEVIN AVE MONTREAL QUE	B A 3 RE 7 4345
ROGG WILLIAM 5020 ST KEVIN AVE MONTREAL QUE	B C L 4 RE 7 4345
ROGGEVEEN ROLAND CHARLES 4047 BEACONSFIELD MTL 10958 80TH AVE EDMONTON ALTA	M ENG 1 HU 4 3223
ROHLFS TRISTAN PAUL H E 6875 LASALLE BLVD VERDUN BERLIN WILMERSDORF WARNECKSTR 2 GERMANY	MED DIP 1
ROHT JAANUS BRITTAIN HALL BOX 55 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 3
ROLF PETER 12006 LAVIGNE ST MONTREAL 9 QUE	B ENG MCH 4 FE 4 1069
ROLL DOROTHY FRANCES 6922 TERREBONNE AVE MONTREAL QUE	B SC P OT 2 HU 1 5381

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
ROLLAND JOHN ROBERT 45 FINCHLEY RD HAMPSTEAD QUE	HU 6 6484	B COM 1
ROLLIT ELIZABETH B 2156 SHERBROOKE ST W MONTREAL 25 QUE	WE 7 1671	B A 2
ROMAN ANDREW JOHN 4179 MELROSE AVE MONTREAL QUE	HU 4 9546	B A 2
ROMANOWSKI EVA MARIE 3335 RIDGEWOOD AVE APT 12 MONTREAL QUE	RE 9 8366	B A 4
ROME REVA 6055 MOUNTAIN SIGHTS MONTREAL QUE	RE 7 4279	B A 2
ROMER MARY MADLEINE MAYA 1009 SHERBROOKE ST MTL 122 BLONDIN ST ST ADELE QUE	VI 4 0426	B SC 2
RONA STEVEN 4650 CLANRANALD AVE MONTREAL 29 QUE	HU 6 2260	PARTIAL
RONALDSON BRIAN HARVEY 845 MELROSE AVE VERDUN QUE	PO 7 5181	B ENG MCH 4
RONDEAU CLEMENT HENRI 5775 10TH AVE MONTREAL 36 QUE	RA 8 7818	B SC 3
RONISH ANDREW 6355 29TH AVE MONTREAL 36 QUE	RA 2 5022	B ENG 2
RONY D DOMINIQUE 34 MAPLE AVE APT 15 STE ANNE DE BELLEVUE QUE	GL 3 6837	GRAD QUAL 1
ROONEY BEVERLEY TRAVERS CHATEAU APTS 1321 SHERBROOKE ST W MONTREAL QUE	WE 7 3997	B A 2
RORKE FRANCES EMILY 736 ROCKLAND AVE OUTREMONT QUE	CR 2 3634	B SC 1
ROSE IRENE FRANCES LAIRD HALL 4640 PLAMONDON AVE APT 5 MONTREAL QUE	2 TCHRS	2
ROSE KENNETH MORROW MACDONALD COLLEGE R R 2 WATERVILLE QUE	GL 3 1997	AGR DIP 1
ROSE MICHAEL ARNOLD JOHN 1180 DRUMMOND ST APT 22 C O C M C SKOURIOTISSA CYPRUS		B COM 3
ROSE PAMELA ESME 1555 SUMMERHILL APT 405 MONTREAL QUE	WE 7 3074	M S W 1
ROSEMAN THEODORE GERALD 4785 MAPLEWOOD AVE MONTREAL QUE	RE 8 7831	B SC 2
ROSEN CARL 4815 FULTON AVE MONTREAL QUE	RE 1 6107	B C L 4
ROSEN JOEL 6914 LEMIEUX ST MONTREAL 29 QUE	RE 8 8796	B SC 1
ROSEN KAY RUTH 8608 BIRNAM ST MONTREAL 15 QUE	CR 2 7750	B A 4
ROSEN LAWRENCE LINDSAY 1441 DRUMMOND MTL 59 MCRAE DR TORONTO 17 ONT	VI 9 4171	B A 3
ROSEN LORALYNN 7 0 LANARK GARDENS APTS LANARR & CORYDON WINNIPEG MAN		M S W 2
ROSENBAUM ARTHUR HOWARD 5942 MOUNTAIN SIGHTS AVE MONTREAL QUE	RE 9 4223	B C L 1
ROSENBAUM PETER LEON 4875 ROSEDALE AVE MONTREAL 29 QUE	HU 6 3315	B SC MDCM 1
ROSENBAUM TERRY MICHAEL 60 ABERDEEN AVE WESTMOUNT QUE	HU 1 9023	B SC 3
ROSENBERG ISABETH SUSAN 1009 SHERBROOKE ST W 15 DEEPDALE DR GREAT NECK N Y USA	VI 4 0426	B A 3
ROSENBLOOM HELEN 369 BLOOMFIELD AVE OUTREMONT QUE	CR 9 5767	B A 2
ROSENBLOOM MARVIN 882 BALL AVE MONTREAL QUE	CR 7 3625	B SC 2
ROSENBLOOM MARVIN VICTOR 369 BLOOMFIELD MONTREAL 8 QUE	CR 9 5767	B SC 3
ROSENBLOOM MYER 5118 JEANNE MANCE MONTREAL QUE	CR 6 2340	B ENG EL 4
ROSENBLUTH JACQUELINE 4119 KENT AVE MONTREAL 26 QUE	RE 7 0690	B A 1
ROSENFELD JACOB JACK 2195 NOEL ST ST LAURENT QUE	RI 7 7617	B ENG 2
ROSENFELD MELVYN Z 4355 ST KEVIN AVE APT 4 MONTREAL 26 QUE	RE 3 9140	B A 1
ROSENFELD RHODA 550 BRUNET ST ST LAURENT QUE	RI 4 3602	B A 2
ROSENFELD SHIRLEY 2 ST JOSEPH STE ANNE DE BELLEVUE QUE 5828 DUROCHER AVE APT 4 MONTREAL QUE	3 TCHRS	1
ROSENHEK KAROLE RONA 652 MURRAY HILL WESTMOUNT QUE	HU 1 9837	B A 1
ROSENOFF ALTA 4161 BEACONSFIELD AVE MONTREAL QUE	HU 6 2326	B A 1
ROSENOFF STEVE 4604 HAMPTON AVE MONTREAL QUE		B A 4
ROSENSTEIN MARK MENDEL 5003 LACOMBE AVE MONTREAL 29 QUE	RE 8 1606	B C L 1
ROSENSTEIN MERVYN NORMAN 4690 BOUCHETTE ST MONTREAL 26 QUE		B C L 1
ROSENSWIG MICHAEL SIMON 3281 APPLETON AVE MONTREAL QUE	RE 8 5613	B COM 2
ROSENTHAL MICHAEL JAY 1001 SHERBROOKE ST W MTL 88 35 193TH ST HOLLIS 23 N Y USA		B A 1
ROSENTHALL JULIE ANNE MACDONALD COLLEGE 4855 HAMPTON AVE MONTREAL 29 QUE	3 TCHRS	1
ROSENZVEIG FRED MICHAEL 5640 SMART AVE COTE ST LUC QUE	HU 4 5631	B A 1
ROSENZWEIG MAXIMILIAN 5438 MOUNTAIN SIGHTS MONTREAL QUE	HU 9 2434	B ENG EL 4

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Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
ROSKIES DOREEN JUDI 571 GROSVENOR AVE WESTMOUNT QUE	B SC 3 HU 8 4082
ROSKIES ETHEL 5880 DOLBEAU ST MONTREAL 26 QUE	GRAD QUAL 1 RE 3 9836
ROSKIES EVA FREDA 17 PAGNUELO AVE OUTREMONT QUE	B A 2 CR 9 8295
ROSKIES RALPH ZVI 571 GROSVENOR AVE WESTMOUNT QUE	B SC 4 HU 4 4428
ROSMAN BRYNA 6492 MCLYNN AVE MONTREAL QUE	M S W 1 RE 8 7347
ROSS ALAN DAVISON 657 LANSDOWNE AVE MONTREAL 6 QUE	B ENG CIV 5
ROSS CHRISTOPHER DONALD F DOUGLAS HALL 1241 DELAUNE AVE QUEBEC 6 QUE	B ENG 1
ROSS DAVID HOWARTH DOUGLAS HALL 116 POPLAR ST GATINEAU QUE	B SC 2
ROSS DONALD A 548 PRINCE ARTHUR AVE 104 COULSTON AVE ASBESTOS QUE	B COM 4 VI 2 0877
ROSS FLORENCE ARLENE 360 LEACROSS AVE TOWN OF MT ROYAL QUE	B A 1 RE 3 9735
ROSS HILDE 1547 MACGREGOR ST MTL 42 ANNDALE RD SCARBOROUGH ONT	GRAD DIP 1 WE 3 0256
ROSS HUGH LENNOX 65 ROSEMOUNT CRES MONTREAL 6 QUE	M A 1 WE 5 8160
ROSS HYMAN WILLIAM 765 CHAMPAGNEUR AVE OUTREMONT QUE	B A 2 CR 6 4034
ROSS LINDA ANN 24 RODNEY AVE VALOIS QUE	2 TCHRS 2 OX 7 3075
ROSS PAUL 5609 RAWDALL AVE COTE ST LUC QUE	B A 4 HU 1 1336
ROSS PETER DOUGLAS 4622 COOLBROOK AVE MONTREAL 29 QUE	B ENG 1 HU 9 3926
ROSS PIERRE GILLES 1604 PINE AVE W APT 4 C O 537 MONT JOLI QUE	B ENG 1
ROSS RANDALL J 3583 DUROCHER ST MTL BOX 96 RTE 1 SUISUN CALIF USA	MD CM 3
ROSS SEYMOUR 5781 RAND AVE COTE ST LUC QUE	B SC 2 HU 8 4607
ROSSBERG MORTON 5002 LA PELTRIE AVE MONTREAL QUE	B ARCH 3 RE 3 6281
ROSSMAN HOWARD SAMUEL 2039 MCGILL COLLEGE AVE 273 PAULISON AVE PASSAIC N J USA	B ENG CH 5 AV 8 7337
ROSSMAN RALPH 5470 BOURRET ST MONTREAL 29 QUE	B SC 2 RE 8 4541
ROSS SMITH DENNY G 1825 CANORA RD TOWN OF MT ROYAL QUE	B ENG CH 3 RE 7 0681
ROSSY LAWRENCE GEORGE 2267 FLEMING RD TOWN OF MT ROYAL QUE	B A 1 RE 7 2559
ROTENBERG SONJA 4490 ST KEVIN ST APT 5 MONTREAL 26 QUE	3 TCHRS 1 RE 1 7226
ROTH CHARLES 2515 VAN HORNE MONTREAL QUE	B SC 4 RE 3 4821
ROTH JOHN ANDREW 139 DOUGLAS SHAND PTE CLAIRE QUE	B ENG 2 OX 7 1696
ROTH KATHERINE VICTORIA 5094 VICTORIA AVE APT 25 MONTREAL QUE	B SC 1 RE 7 2697
ROTH LEONARD CHARLES 4843 VICTORIA AVE MONTREAL QUE	B COM 2 HU 6 7586
ROTH STEPHEN JEFFREY 5 BELLEVUE AVE MONTREAL QUE	B A 2 HU 4 0119
ROTHER JAMES 4393 HARVARD AVE MONTREAL QUE	B A 3 HU 6 3160
ROTHMAN GEORGE 4539 ROYAL AVE MONTREAL QUE	B COM 1 HU 1 6049
ROTHMAN GERALD SOLOMON 5796 DARLINGTON AVE MONTREAL QUE	B SC 2 RE 8 3148
ROTHMAN JACOB LAWRENCE 6434 CLANRANALD AVE MONTREAL QUE	B C L 4 RE 8 7090
ROTSSTEIN AARON 7835 DE L EPEE AVE MONTREAL QUE	M SC 1 CR 6 9641
ROTSTEIN SYLVIA 4325 WILSON AVE MONTREAL QUE	B A 1 HU 9 6549
ROTTENBERG HOWARD ARTHUR 5554 PINEDALE AVE COTE ST LUC QUE	B SC 2 HU 9 7604
ROUNDING PATRICIA JANE STEWART HALL 503 MANSFIELD AVE OTTAWA 3 ONT	B SC H EC 3 GL 3 9095
ROUNDY JEAN ALLISON ROYAL VICTORIA COLLEGE 11 BARRINGTON DR ANDOVER MASS USA	B A 2 VI 2 0265
ROUNTREE ANN ELIZABETH 40 PARKDALE AVE PTE CLAIRE QUE	B A 2 OX 5 4706
ROURKE BRIAN CHARLES 5500 QUEEN MARY RD MONTREAL QUE	B COM 4 HU 1 4232
ROUS COLIN CONSTABLE 1595 ROCHON ST ST LAURENT QUE	B COM 1 RI 7 5044
ROUTTENBERG ARYEH SAMUEL 624 PRINCE ARTHUR 54 BROADWAY ROCKVILLE CENTRE N Y USA	B A 4 AV 8 7767
ROUTTENBERG MARK 4212 ISABELLA AVE MONTREAL QUE	B A 1 RE 1 2309
ROWAT BARBARA MARY 5226 COTE ST ANTOINE RD MONTREAL 28 QUE	B SC N 1 HU 6 8737

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ROWAT BEVERLY ANN 5226 COTE ST ANTOINE RD MONTREAL QUE	B SC N 1 HU 6 8737
ROWAT JOHN DAVID 5226 COTE ST ANTOINE RD MONTREAL QUE	B A 2 HU 6 8737
ROWE INGRID GLADYS M 126 CHESTER AVE VALOIS QUE	2 TCHRS 1 OX 7 2675
ROWE PATRICIA MABEL 3616 DUROCHER ST APT 201 3684 MCTAVISH ST MONTREAL QUE	PH D 4 AV 8 9415
ROWZEE MARY ELIZABETH ROYAL VICTORIA COLLEGE 580 WOODROWE AVE SARNIA ONT	B SC N 1 VI 9 0993
ROY CHARLES AUGUSTE 3562 HUTCHISON ST MTL 69 OBLATE ST MONT JOLI QUE	B ENG EL 5 VI 5 9374
ROY JOHN MINTY 70 LEGACE AVE DORVAL QUE	B ENG CH 5 ME 1 8147
ROY JOSEPH OMER J A 2154 MOUNT ROYAL AVE E 1130 STE CECILE ST TROIS RIVIERES QUE	B ENG EL 5
ROY PAUL NOEL 5371 COOLBROOK AVE MONTREAL 29 QUE	B A 1 HU 6 0242
ROY REYNOLD 258 SHERBROOKE W MTL 34 RUE METELLUS PETION VILLE HAITI W I	B ENG EL 3 VI 9 0714
ROY WILLIAM RENE 62 DE GALAIS ST LAVAL DES RAPIDES QUE	B ENG 1 MU 1 5330
ROYLE JULIAN ADAM C DOUGLAS HALL HAYDENS END GREAT CANFIELD DUNMOW ESSEX ENGLAND	B SC 3 VI 2 7410
ROYTMANS PAULA 3161 VAN HORNE AVE MONTREAL 26 QUE	B A 3 RE 9 5233
RUBENSTEIN BERNARD 4463 DRAPER AVE MONTREAL QUE	B SC 3 HU 8 8276
RUBIN ANTHONY EARL 4666 VICTORIA AVE MONTREAL QUE	B ENG 2 HU 6 2285
RUBIN FRANK 69 SPRINGGROVE CRES OUTREMONT QUE	B COM 3 CR 6 6731
RUBIN HERBERT 5421 GROVE HILL PL MONTREAL QUE	B SC 1 HU 4 5895
RUBIN HERBERT C 4838 LACOMBE AVE MONTREAL QUE	B A 1 RE 7 4656
RUBIN JOSEPH L WILLIAM 10 GLENMORE RD HAMPSTEAD QUE	B SC 4 HU 8 4046
RUBIN JUDITH LOIS 6607 NICE RD COTE ST LUC QUE	B A 1 HU 4 0256
RUBIN LELAND 123 SPRINGGROVE CRES MONTREAL QUE	B A 1 CR 3 1234
RUBIN SHULIN NATHAN 6607 BAILY RD COTE ST LUC QUE	B ENG 1 HU 1 5114
RUBY FRIMA SHAFFER 3221 APPLETON AVE APT 9 MONTREAL QUE	H S D DIP 1 RE 9 6647
RUBY LORNE MICHAEL 4480 MONCLAIR AVE MONTREAL QUE	B A 1 HU 4 5996
RUCKENSTEIN MARSHA EDYTHE 245 SHERATON DR MONTREAL WEST QUE	B SC 1 HU 1 4619
RUCKENSTEIN MICHAEL 1083 BERNARD AVE W MONTREAL 8 QUE	2 TCHRS 2 CR 2 5390
RUDA GORDON HARVEY 5727A ESPLANADE AVE MONTREAL 14 QUE	B A 3 CR 6 3839
RUDICH GERALD SAMUEL 852 DUNLOP AVE OUTREMONT QUE	B SC 2 RE 3 3265
RUDICK IRWIN 5712 WHITEHORNE COTE ST LUC QUE	B A 1 HU 9 5292
RUDICK MAXINE 662 DAVAAR AVE OUTREMONT QUE	B SC N 1 CR 1 5704
RUDNER MARTIN 787 POWELL AVE TOWN OF MT ROYAL QUE	B A 2 RE 7 3609
RUDNER PETER 1133 SECOND AVE VERDUN QUE	B SC 1 PO 9 7819
RUDY GERALD 790 BLOOMFIELD OUTREMONT QUE	B SC 4 CR 7 7597
RUDY LORNA FRANCIS 790 BLOOMFIELD AVE MONTREAL QUE	B SC 3 CR 7 7597
RUDY RUTH 4630 DUPUIS APT 4 MONTREAL QUE	3 TCHRS 1 RE 1 1974
RUDZITIS MARA MACDONALD COLLEGE 5155 RANDALL AVE APT 15 MONTREAL QUE	B ED 2
RUET JEAN L BRITTAIN HALL SIEGAS MADA CO N B	B SC AGR 4 GL 3 1997
RULE PETER RANDOLPH 3501 UNIVERSITY ST MTL 4116 EIGHTH ST S W CALGARY ALTA	B SC 1 VI 9 1368
RUMANEK JAY 1905 ST GERMAIN BLVD ST LAURENT QUE	B C L 2 RI 7 7273
RUMIN NICHOLAS 7462 BIRNAM ST MONTREAL 15 QUE	M SC 2 CR 7 8490
RUMSCHEIDT HANS MARTIN 34 GOLF AVE PTE CLAIRE QUE	B D 3 OX 5 3414
RUMSCHEIDT HEIDI BRIGITTE 34 GOLF AVE POINTE CLAIRE QUE	MD CM 1 OX 5 3414
RUNGE CARL F 2300 TUPPER ST MTL 1533 BAKER AVE SCHENECTADY N Y USA	MD CM 3 WE 7 8511
RUNGE EDWARD PAUL 3501 UNIVERSITY ST MTL 141 VILLAGE RD FOREST HILL VILLAGE KITCHNER ONT	B COM 4 VI 9 1368
RUNGE LORNE ARTHUR 3484 PEEL ST 141 VILLAGE RD KITCHENER ONT	B SC 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
RUNNALLS DONNA RUTH 2320 LINCOLN AVE APT 4 R R 4 483 STEVESTON HYW RICHMOND B C	PARTIAL
RUPSYS VICTOR JOHN 1315 BEATTY AVE VERDUN QUE	B ENG 1 PO 8 9768
RUSHBROCK JAMES SIDNEY 4965 MAPLEWOOD AVE APT 2 MONTREAL 26 QUE	B ENG MCH 4 RE 9 7164
RUSK THOMAS N 3433 DUROCHER ST APT 308 MONTREAL 18 QUE	MD CM 3
RUSNAC EDWARD WILLIAM 5128 DE GASPE AVE MONTREAL QUE	B SC 1 CR 2 4163
RUSNAK WIRA OLESSIA 2260 DORCHESTER ST W MONTREAL 25 QUE	B A 2 WE 7 0245
RUSSEL COLIN STEVENS 4845 WESTMOUNT AVE MONTREAL 6 QUE	B ENG EL 4 HU 6 4247
RUSSELL ALEXANDER 5119 MOUNTAIN SIGHTS APT 3 MONTREAL 29 QUE	B ENG EL 3 HU 9 4361
RUSSELL JUDITH LATHAM 176 STRATHCONA DR TOWN OF MT ROYAL QUE	B A 3 RE 3 3232
RUSSO OLGA 5210 MAYFAIR AVE MONTREAL QUE	B SC 2 HU 8 8086
RUSSO PAUL MICHAEL 5210 MAYFAIR AVE MONTREAL QUE	B ENG 1 HU 8 8086
RUTHERFORD LYNNE MARIE 328 ST JACQUES AVE LONGUEUIL QUE	B SC P OT 1 OR 7 5680
RUTHERFORD PETER JOHN 7465 OUTREMONT AVE MONTREAL QUE	B ED PED 3
RUTHERFORD THOMAS ARTHUR 4414 OLD ORCHARD AVE MONTREAL QUE	B COM 1 HU 6 9410
RUTKIS VALENTINE 4311 HARVARD AVE APT 7 MONTREAL 28 QUE	B ENG 2 HU 8 4801
RUTLEDGE HERBERT WILLIAM 142 ARROWHEAD CR PTE CLAIRE QUE	B D 1 OX 7 1216
RUVMAN MAUREEN LENORE 6385 MACDONALD AVE MONTREAL QUE	B A 1 RE 8 4860
RYAN ELIZABETH ANNE 2174 SHERBROOKE ST W APT 9 MTL MONT BRIANT SENNEVILLE RD SENNEVILLE QUE	B A 2 WE 4 1509
RYAN FRANCIS PAUL DOUGLAS HALL 8 CHURCH ST CHATEAUGAY N Y USA	MD CM 4 VI 4 0977
RYAN MICHAEL ANTHONY 3755 BELANGER ST MONTREAL QUE	B ENG 2 RA 8 0092
RYBACK DAVID 3060 LINTON AVE APT 6 MONTREAL QUE	B SC 2 RE 3 9005
RYBCZYNSKI WITOLD MARIAN 505 DORCHESTER ST JOHNS QUE	B ENG 1 FI 8 2165
RYERSON ANDRE FRED 4555 GRAND BLVD MONTREAL QUE	B A 2 HU 1 1742
RYERSON PETER DAVID 4555 GRAND BLVD APT 11 MONTREAL QUE	B A 2 HU 1 1742

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SA ADAH DAVID MOUNIR 3851 UNIVERSITY ST MTL WOODSTOCK VERMONT USA	MD CM 2
SABA JEANNETTE ANNIE 990 ST ANTOINE ST LACHINE QUE	2 TCHRS 1 ME 7 7606
SABEN HUGH SIMON P O BOX 158 SUTTON QUE	B SC AGR 3 GL 3 1997
SABIA MAUREEN J ROYAL VICTORIA COLLEGE 29 EDGEDALE RD ST CATHARINES ONT	B A 3 VI 2 0598
SABLOFF SANDRA ABIGAIL 1960 BARCLAY MONTREAL QUE	B A 1 RE 7 4538
SABO JOSEPH JOHN 3474 COLONIAL AVE MONTREAL 18 QUE	B ENG 1
SABORIO ARTURO 357 KENSINGTON AVE WSTMT P O BOX 1156 SAN JOSE COSTA RICA	MUS ASSOC 1 WE 7 8121
SACHDEV DESH RAJ CHEMISTRY DEPT M S VIR BHAM BEHARI LAL STALL 8 TANGA STAND NCHRU MARHET SAHARANPUR CITY UP INDIA	M A 1
SACHS MORTON 5531 WESTBOURNE AVE COTE ST LUC QUE	B COM 4 HU 8 1919
SACHS RACHEL DUNDI 209 NORMANDY DR TOWN OF MT ROYAL QUE	PARTIAL RE 9 2539
SACHS STEPHEN GERALD 5531 WESTBOURNE COTE ST LUC QUE	B ENG 1 HU 8 1919
SADDLER SALLY WISHART MACDONALD COLLEGE 43 MORRISON AVE TOWN OF MT ROYAL QUE	2 TCHRS 1
SADEEK MAJEED MACDONALD COLLEGE APT C6 PREYSAL VILLAGE COUVA TRINIDAD W I	B SC AGR 4
SADLER SALLY ANN 400 SHERBROOKE ST W APT 43 MONTREAL QUE	B ED PED 3 VI 9 6897
SADOOL FREDERICK GORDON H DOUGLAS HALL 3667 JEANNE MANCE MONTREAL QUE	B SC 1 VI 4 0977 AV 8 0874
SAFDIE GABRIEL 1940 CLINTON AVE MONTREAL QUE	B COM 2 RE 3 8932
SAFDIE MOSHE 3449 HUTCHISON APT 7 MONTREAL QUE	B ARCH 6 AV 8 2871
SAFFIN CAROLE JOYCE 2075 BISHOP ST MTL DANVILLE QUE	GRAD DIP 1 VI 2 0134
SAFRAN GERSON 5422 PRINCE OF WALES AVE MONTREAL QUE	B SC 2 HU 4 1841

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SAGALA MARIA MACDONALD COLLEGE 7273 MARQUETTE ST MONTREAL 35 QUE	2 TCHRS 1
SAGAR RICHARD BRIAN 3609 UNIVERSITY ST MONTREAL QUE	PH D 3 AV 8 6307
SAGINUR ROSALIND 6692 WILDERTON AVE MONTREAL QUE	B SC 2 RE 8 7235
SAHAGIAN BENJAMIN 528 PRINCE ARTHUR W MTL 3616 MOHAWK LINCOLN NEBR USA	PH D 2
SAIBIL ERIC A 5850 HUDSON RD MONTREAL 26 QUE	B SC 2 RE 8 0653
SAIBIL FREDRIC GORDON 1201 ST VIATEUR ST W OUTREMONT QUE	B SC 2 CR 1 2086
SAIBIL MYRNA 1201 ST VIATEUR AVE OUTREMONT QUE	B A 3 CR 1 2086
SAIKI JOHN HARRIS INSTITUTE OF PATHOLOGY MCGILL UNIVERSITY MONTREAL QUE	MD CM 4
SAIPE DRAZA DOROTHY ROYAL VICTORIA COLLEGE 26 KIPPEWA DR OTTAWA ONT	B A 1 VI 2 0597
SAKAL ISAAC MICHEL 10 ROSEMOUNT AVE WESTMOUNT QUE	B C L 1 WE 5 3097
SAKAMOTO DENNIS J J J 820 HODGE ST ST LAURENT QUE	B A 1 RI 4 0080
SAKRISON HERBERT CHARLES 3573 LORNE AVE APT 9 12 KIRK ST WEST ROXBURY 32 MASS USA	M SC APP 1
SALA ILONA MARILYN ROYAL VICTORIA COLLEGE RIVIERE BEAUDETTE QUE	B A 2 VI 2 0327
SALAMIS CONSTANTINE 3548 JEANNE MANCE ST MONTREAL 18 QUE	B ENG 2 AV 8 7587
SALAMIS MARIKA MACDONALD COLLEGE 3548 JEANNE MANCE MONTREAL QUE	H S D DIP 1
SALEH GEORGE ALBERT 420 COTE DE LIESSE MONTREAL QUE	D D S 4 RE 3 1937
SALGADO ISIDRO 4970 QUEEN MARY RD MONTREAL QUE	MED DIP 4 RE 9 4236
SALHANY CAROL ANN 1085 MCGREGOR APT 303 346 CUMBERLAND ST CORNWALL ONT	B A 3 AV 8 6166
SALHANY JOANNE F 1800 LAIRD BLVD TOWN OF MT ROYAL QUE	B A 3 RE 8 3023
SALHANY RONALD GEORGE 1800 LAIRD BLVD MONTREAL QUE	B ENG 1 RE 8 3023
SALIS PHYLLIS 12 GLENMORE RD HAMPSTEAD QUE	3 TCHRS 1 HU 4 2668
SALIT RHONA 2485 DECELLES ST LAURENT QUE	3 TCHRS 1 RI 4 6678

NAME ADDRESS	COURSE & YEAR TEL. NO.
SALKUCKI VIRGINIA GAIL 456 PINE AVE APT 37 MTL 94 BARTLETT RD WHITESBORO N Y USA	MD CM 3 VI 4 8382
SALMON EVELYN BEATRICE 3774 WILSON AVE MTL 132 BROADWAY AVE PALMERSTON NORTH N Z	MED DIP 1 HU 4 2089
SALOMON ALLAN 4851 COTE ST LUC APT 210 MONTREAL QUE	PARTIAL HU 4 2432
SALOMON MYRABEL 4855 JEAN BRILLANT MONTREAL QUE	B A 4
SALTER GRAHAM RICHARD P O BOX 234 ILE PERROT QUE	M ENG 1
SALTER JOYCELYN ANNE G 5045 BORDEN AVE MONTREAL 29 QUE	B ED 3 HU 8 0329
SALZBERGER MARGARET 4640 CLANRANALD AVE MONTREAL QUE	B A 3 HU 1 9121
SAMBHI MOHINDAR 4140 COTE ST CATHERINE APT 9 MONTREAL 26 QUE	MED DIP 3 RE 9 7904
SAMBHI MOHINDER PARTAP MU 4615 BOURRET APT 21 MONTREAL 26 QUE	M SC 2 RE 9 7904
SAMMY JAMES HOWARD BINDU 2222 GUY ST APT 2A MTL 85C SUTTON ST SAN FERNANDO TRINIDAD W I	B A 2
SAMSON JACQUES E 3555 JEANNE MANCE APT 11 234 10TH AVE RICHELIEU QUE	B ENG CIV 3
SAMUEL FRANK W WILSON HALL 218 PEMBROKE ST PORT OF SPAIN TRINIDAD T W I	B COM 4 VI 4 0624
SAMUEL MARK AARON 2312 LOUISBOURG MONTREAL 12 QUE	B ENG 1 FE 4 0323
SAMUELS ELLIOT MARK 5849 TRANS ISLAND MONTREAL QUE	B A 4 RE 7 1392
SAMUELS EVELYN 921 HARTLAND AVE OUTREMONT QUE	B A 2
SANCHINI LOUIS ROBERT A 8655 WAVERLY ST MONTREAL QUE	B SC 2 DU 8 2168
SANCTON RICHARD WALTER 4535 CAVENDISH BLVD MONTREAL 28 QUE	B ENG 1 HU 6 8001
SAND JACK GEORGE 211 DRESDEN AVE MONTREAL QUE	B A 2 RE 9 5393
SAND PETER HEINZ 3485 MCTAVISH ST MTL 138 BREITENTHAL KRUMBACH SCHW GERMANY	L L M 1 VI 9 0141
SANDERS STEPHEN 5765 PALMER AVE MONTREAL QUE	B COM 2 HU 8 2722
SANDFIELD RAYMOND DAVID 523 PINE AVE W MONTREAL QUE	MED DIP 2
SANDIFORD JUDITH 128 BALFOUR AVE TOWN OF MT ROYAL QUE	B A 2 RE 7 1244

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
SANDLER BERNARD 1921 BARCLAY AVE MONTREAL QUE	RE 3 0277	B SC 2
SANDLER HELENA 1921 BARCLAY AVE MONTREAL QUE	RE 3 0277	MUS B 3
SANDLER MELVYN 450 HARRIS ST MONTREAL 9 QUE	RI 4 5060	D D S 1
SANFORD HAROLD ROBERT APT C 2 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE		B SC AGR 3
SANFT ARTHUR 4976 GLENCAIRN AVE MONTREAL QUE	HU 1 9712	B A 2
SANG HARRY 4433 ST DOMINIQUE ST MONTREAL QUE		B ENG EL 3
SANGOLLO LEO NORMAN J 447 CONGREGATION MONTREAL QUE	WE 2 7384	B ENG 1
SANGSTER DONALD FREDERICK 3406 NORTHCLIFFE AVE APT 208 MONTREAL QUE	HU 9 0746	M SC 3
SANGSTER JAMES MALCOLM 1520 PINE AVE W APT 1 222 BELVEDERE ST N SHERBROOKE QUE	WE 3 4190	PH D 2
SANGSTER JANE ELIZABETH ROYAL VICTORIA COLLEGE ROUTE 1 BOX 83 BOYDS MD USA	VI 2 0113	B SC 4
SANGSTER JANET MABETH ROYAL VICTORIA COLLEGE 222 BELVEDERE ST N SHERBROOKE QUE	VI 2 0334	B ED PED 3
SANIEIAN HASSAN 2040 VICTORIA ST MONTREAL QUE		B ARCH 2
SANKEY JOHN DOUGLAS 495 PRINCE ARTHUR APT 18 46 SOUTH DR ST CATHARINES ONT	VI 4 7684	B ENG EL 4
SANKOFF DAVID LAWRENCE 464 DUFFERIN RD HAMPSTEAD QUE	HU 6 2879	B SC 2
SANKOFF GARY SEYMOUR 5752 WILDERTON AVE MONTREAL 26 QUE	RE 7 5458	D D S 4
SANKOFF IRWIN 464 DUFFERIN RD HAMPSTEAD QUE	HU 6 2879	PARTIAL
SANNI ADUKE 3449 PEEL ST MTL IJEBU MUSLIM COLLEGE P O BOX 102 IJEBU ODE NIGERIA WEST AFRICA	VI 4 0722	GRAD DIP 1
SANOWAR HYDRI NOREEN ROYAL VICTORIA COLLEGE 16 IMRIE ST LES EFFORTS EAST SAN FERNANDO TRINIDAD B W I	VI 2 0847	B A 2
SANSFACON LISE 569 LIEGEST MONTREAL QUE	DU 8 0972	MUS ASSOC 3
SANSON JOSE MA 3677 PEEL MTL NICHOLS AIR BASE RIZAL PHILIPPINES	VI 4 4140	L L M 1
SARGEANT SUZANNE MARJORIE 3480 ONTARIO AVE MTL 1139 FIELD ST OTTAWA ONT	VI 2 0044	B SC P OT 3
SARGENT AUSTIN UNDERWOOD 3432 PEEL ST MONTREAL QUE	VI 5 9533	M SC 1
SARICH JOSEPH TONY 4096 HAMPTON AVE MTL 38 STEVENS RD ELLIOT LAKE ONT	HU 1 8608	B SC 1
SARKAR SUSANTA KUMAR 529 PRINCE ARTHUR W MTL P34 BANGUR AVE CALCUTTA 28 INDIA	VI 4 0804	PH D 3
SARMANY JOSEPH 118 ST JOSEPH BLVD W MONTREAL QUE	VI 5 4966	D D S 1
SAUCIER CAROLYN ANNE D ROYAL VICTORIA COLLEGE 2226 AMHERST ST CALGARY ALTA	VI 2 0265	B SC N 2
SAULT MARY HELEN ROYAL VICTORIA COLLEGE 1 VICTORIA ST ORMSTOWN QUE	VI 2 0571	B A 1
SAUNDERS JOAN WINSLOE 5493 EARNSCLIFFE MONTREAL QUE	HU 6 2868	B SC P OT 2
SAUNDERS ROBERT EDWARD 109 DE PICARDIE PREVILLE QUE	OR 1 6175	B ENG 1
SAUNDERS RODERICK DAVID 6325 SOMERLED AVE MONTREAL 29 QUE	HU 8 4237	B ENG MET 3
SAUNDERSON BRIAN HUGH 322 ELM AVE MONTREAL 6 QUE	WE 7 6474	B A 2
SAUVE BERNARD THOMAS 614 NOTRE DAME ST ST LAMBERT QUE	OR 1 7533	B ENG CIV 5
SAUVE MARIE THERESE N 2975 BEDFORD RD APT 5 MONTREAL 26 QUE	RE 3 5883	PARTIAL
SAUVE PAUL DOUGLAS 3810 MARLOWE AVE MONTREAL 28 QUE	HU 4 4887	M S W 2
SAVAGE BARRY REGINALD 1425 MUIR ST ST LAURENT QUE	RI 7 8802	B ENG 1
SAVAGE DIANA EILEEN 4309 MONTROSE AVE MONTREAL QUE	WE 3 6428	B A 3
SAVAGE JANET CASSILS 657 MURRAY HILL WESTMOUNT QUE	HU 1 1572	B A 4
SAVARD EDWARD VICTOR 2087 ST LUKE ST APT 9 12 CEDAR ST TUPPER LAKE N Y USA	WE 3 9108	B SC 2
SAVIDES DANAE VICTORIA 6805 21TH AVE APT 27 MONTREAL 36 QUE	RA 9 4046	B A 1
SAVRAN ALEXANDER DONATH 3508 DUROCHER ST MTL 33 BREWSTER RD MODFORD 55 MASS USA	VI 9 4352	D D S 1
SAWYER JUDITH ELEANOR 34 MAPLE AVE APT B STE ANNE DE BELLEVUE QUE 3 GRAIN RD TORONTO 18 ONT		P E DIP 2
SAXE BRIAN MITCHELL 4515 DUPUIS AVE APT 5 MONTREAL QUE	RE 9 6050	M SC 1
SAYFY IVARS JURIS 10597 LAVERDURE ST MONTREAL 12 QUE		B ENG 1

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Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
SAZANT LARRY S 5718 MCMURRAY AVE COTE ST LUC QUE	B A 3 HU 8 7718
SCANLON KATHRYN ANN STEWART HALL 1391 OAK AVE QUEBEC 6 QUE	3 TCHRS 1
SCHAAL PETER G H 213 WESTWOOD AVE DORVAL QUE	B SC 1 ME 1 0868
SCHABTACH ERIC DOUGLAS HALL 1186 LOWELL RD SCHENECTADY 8 N Y USA	B SC 2
SCHACHTER SYBIL 796 MCEACHRAN AVE APT 4 MONTREAL QUE	3 TCHRS 1 CR 2 1283
SCHACTER WILLIAM MARK 4935 MARIETTE AVE MONTREAL QUE	M ARCH 5 HU 4 6203
SCHACTMAN MORRIE 49 MCNIDER AVE MONTREAL QUE	B COM 3 CR 9 8273
SCHAFFELER SELY ANN LAIRD HALL 45 PRINCE ST DRUMMONDVILLE QUE	B SC H EC 2
SCHAFFER CLAUDE 331 CLARKE AVE WESTMOUNT QUE	B COM 1 WE 3 6627
SCHAFFER GLORIA MARION 2475 MAJOR ST ST LAURENT QUE	B A 1 RI 7 3811
SCHAFFER ROBERT 6175 WILDERTON CR MONTREAL QUE	PH D 4 RE 7 5400
SCHAPIRA FRANK VICTOR 1120 LAJOIE AVE APT 6 MONTREAL QUE	B COM 4 CR 1 5172
SCHATIA DAVID 4510 KENSINGTON AVE MONTREAL QUE	B C L 2 HU 4 8759
SCHECTER BAYLA 3900 BOUCHETTE APT 33 MONTREAL QUE	B SC 1 RE 3 1254
SCHECTER ESTELLE ESTHER 440 MT STEPHEN AVE APT 8 39 MARK AVE APT 9 EASTVIEW ONT	M A 1 WE 7 3407
SCHECTER MARCIA NINA 4300 WESTERN AVE APT 1010 WESTMOUNT QUE	B SC 1 WE 7 9759
SCHECTER MARVIN NORMAN 708 JOHNSON TOWN OF MT ROYAL QUE	B A 1 RE 7 1842
SCHEELE JAN MACDONALD COLLEGE PRINZ 12 NAFELE N O 8 THE NETHERLANDS	B SC AGR 3
SCHEFFER EDITH CLAIRE 356 PINE AVE W APT 3 MONTREAL QUE	B L S 1 VI 2 6037
SCHEIBLE GUNTER VOLKER 721 JUBINVILLE PONT VIAU QUE	B SC 1 MO 9 2484
SCHERBING BORIS 5960 VICTORIA AVE APT 8 MONTREAL QUE	B ENG 1 RE 9 4127
SCHERZER BARTRAM PETER 4840 JEAN BRILLANT MONTREAL QUE	B SC 2 RE 8 6416
SCHERZER MARTIN H 4840 JEAN BRILLANT MONTREAL 29 QUE	D D S 1 RE 8 6416

NAME ADDRESS	COURSE & YEAR TEL. NO.
SCHIFF DAVID 8557 MAYRAND ST MONTREAL QUE	MD CM 4 RE 1 4569
SCHIFF ISAAC 8584 MAYRAND MONTREAL QUE	B SC 1 RE 1 5249
SCHIFF JERRY 5850 DECELLES PL MONTREAL QUE	B ENG CIV 4 RE 3 0584
SCHIFF MORTIMER 8584 MAYRAND ST MONTREAL QUE	PH D 3 RE 1 5249
SCHIFF NATHAN 5383 HUTCHISON ST MONTREAL QUE	B SC 2 CR 1 8684
SCHINASI VIVIAN 5065 VAN HORNE AVE MONTREAL QUE	B A 1 RE 8 8578
SCHINDLER HANS BRITTAIN HALL IM DUEGGEL 3 KUESNACHT ZH SWITZERLAND	B SC AGR 1 GL 3 7828
SCHINDLER PATRICK FOSTER 598 GROSVENOR AVE WESTMOUNT QUE	B A 3 HU 6 5178
SCHIRMER AUDREY FELLOWS ROYAL VICTORIA COLLEGE 54 LEE ST CAMBRIDGE MASS USA	B SC 2 VI 2 0833
SCHLAER BARBARA 4833 VICTORIA AVE MONTREAL QUE	B A 4 HU 6 1490
SCHLEIFER MICHAEL IRWIN 795 DAVAAR AVE APT 3 MONTREAL QUE	B A 1 CR 6 6479
SCHNAIBERG IRWIN 4835 MONTCLAIR AVE MONTREAL QUE	B A 1 HU 4 7792
SCHNAPP OSCAR 4856 ST URBAIN MONTREAL QUE	B A 3 CR 9 5002
SCHNEIDER ABRAHAM ELI 212 ST JOSEPH BLVD W MONTREAL 8 QUE	B SC 1 CR 2 4783
SCHNEIDER BERNARD K 5301 KING EDWARD AVE MONTREAL QUE	B A 3 HU 6 1747
SCHNEIDER HARVEY 6030 WESTBURY AVE MONTREAL 29 QUE	B A 1 RE 3 2593
SCHNEIDER HENRY 212 ST JOSEPH BLVD W MONTREAL QUE	PH D 5 CR 2 4783
SCHNEIDERMAN GERALD 3635 RIDGEWOOD AVE BOX 121 KEMPTVILLE ONT	MED DIP 2 RE 3 4191
SCHNEIDERMAN ZELDA LUCILE 10 ROXBOROUGH AVE WESTMOUNT QUE	GRAD QUAL 1 HU 8 7948
SCHNELLER STEPHEN GEORGE 3200 GOYER ST MONTREAL QUE	B ENG MCH 5 RE 1 6963
SCHOEL MICHAEL WILLIAM 892 BALL AVE MONTREAL 15 QUE	B ENG 1 CR 6 2155
SCHOENFELD GEORGE 2105 VAN HORNE APT 1 MONTREAL QUE	B ARCH 2 RE 9 8132
SCHOFIELD SHARON DALE 33 ELMWOOD AVE SENNEVILLE QUE	B ED 2 GL 3 2549

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SCHOLNICK STEPHEN MICHAEL 3651 DUROCHER ST MTL 91 SHELTON RD SWAMPSCOTT MASS USA	B A 1 VI 4 7620
SCHOLTZ DANIAL JACOBOS 5698 SOMERLED AVE MONTREAL QUE	B ENG CIV 5 HU 9 1784
SCHONBRUN ROBERT GARY 1189 CRESCENT ST APT 14 325 MAIN ST ROCKY HILL CONN USA	D D S 4 UN 8 1217
SCHREIBER ALLAN IRWIN 32 RADCLIFFE RD MONTREAL WEST QUE	B ENG 1 HU 8 8516
SCHRETER MARGARET ROSE 319 STUART AVE MONTREAL QUE	B A 1 CR 9 5729
SCHRODER DIETER KARL 2314 GRAND BLVD MONTREAL QUE	B ENG EL 4 HU 8 3051
SCHROEDER JOYCE MARION 2019 STANLEY ST APT 6 16 COOTE ST CHILLIWACK B C	B N 2 VI 9 1489
SCHROPFER GEOFFREY W 434 OGILVY AVE MONTREAL 15 QUE	B ENG 1 CR 2 7161
SCHULICH SEYMOUR 4875 BOURRET ST MONTREAL QUE	B SC 4 RE 7 1704
SCHULTERBRANDT JOY G 3466 SHUTER ST MTL REGJERINGS GADE 9B ST THOMAS VIRGIN ISLANDS	M SC 1
SCHWARTZ ARTHUR MARK 4960 BOURRET ST APT 201 MONTREAL 29 QUE	B A 3 RE 9 5815
SCHWARTZ DAVID MICHAEL 4507 KENSINGTON AVE MONTREAL QUE	B A 2 HU 6 6242
SCHWARTZ DINA ANTHONY ROYAL VICTORIA COLLEGE 2348 RIVER RD JACKSONVILLE 7 FLA USA	B A 3 VI 2 0334
SCHWARTZ FRED SAUL 814 OUTREMONT AVE MONTREAL QUE	B SC 4 CR 2 0212
SCHWARTZ HOWARD MARTIN 1020 LAPOINTE ST VILLE ST LAURENT 9 QUE	B SC 2 FE 4 5749
SCHWARTZ JACK 4825 BORDEN AVE MONTREAL 29 QUE	B SC 2 HU 9 7172
SCHWARTZ JACK PETER 4155 DUPUIS AVE APT 8 MONTREAL QUE	M SC 1 RE 8 9758
SCHWARTZ LIONEL 6300 LENNOX AVE MONTREAL QUE	B C L 1 RE 8 1957
SCHWARTZ MARSHA 271 DE L EPEE AVE MONTREAL 8 QUE	B SC 2 CR 9 3122
SCHWARTZ MARTIN 5087 VAN HORNE AVE MONTREAL QUE	B ENG 1 RE 9 7801
SCHWARTZ MURRAY 838 WISEMAN AVE APT 1 MONTREAL 8 QUE	B SC 1 CR 7 8183
SCHWARTZ RICHARD MARTIN 6574 21ST AVE MONTREAL 36 QUE	B ENG 2 RA 7 5333
SCHWARTZ SHIRLEY 637 QUERBES AVE MONTREAL QUE	B SC P OT 3 CR 7 5312
SCHWARTZ WILLIAM DAVID 4855 MELROSE AVE MONTREAL QUE	B A 2 HU 4 6677
SCHWARZ LUIS HERMAN 6875 LASALLE BLVD VERDUN ATCHUDPE 170 SAN ISIDRO LIMA PERU	MED DIP 1 PO 6 8511
SCHWEITZER ARTHUR CLARE 5280 MARIETTE AVE MONTREAL 29 QUE	B C L 2 HU 6 0952
SCHWERDTFEGER PETER 2369 MADISON AVE APT 11 MONTREAL 28 QUE	PH D 3
SCHWERDTFEGER ROLAND W 4360 CORONATION AVE MONTREAL 28 QUE	B ENG EL 3 HU 9 3020
SCHWEY LINDA PHYLLIS 5520 HUTCHISON ST OUTREMONT 8 QUE	3 TCHRS 1 CR 2 9112
SCOLER MARCUS 5641 CLANRANALD MONTREAL QUE	B ARCH 4 RE 3 0549
SCOTT ALASTAIR JOHN D 3500 SHUTER ST APT 5 MTL HALYN HILL ROGATE NR PETERSFIELD HANTS ENGLAND	B A 2
SCOTT CAROL GRACE MACDONALD COLLEGE 1884 CHAMPLAIN SHAWINIGAN QUE	2 TCHRS 1
SCOTT ELAINE GAIL 688 GROSVENOR AVE WESTMOUNT QUE	H S D DIP 1 HU 1 5811
SCOTT JOHN GAVIN 3510 MOUNTAIN ST MONTREAL QUE	B ARCH 5 VI 5 3790
SCOTT MALCOLM CAMPBELL 5802 WENTWORTH AVE COTE ST LUC QUE	B ENG MCH 4 HU 6 6062
SCOTT MARY FREDA 6360 GODFREY AVE MONTREAL 28 QUE	B A 3 HU 4 0387
SCOTT MICHAEL HART 636 CLARKE AVE MONTREAL QUE	B A 1 WE 7 4483
SCOTT MONICA ADELLE V ROYAL VICTORIA COLLEGE KINGSTON ST PHILIP BARBADOS W I	B SC 3 VI 2 0147
SCOTT NANCY SUSAN 3980 COTE DES NEIGES APT 817 MONTREAL 25 QUE	M A 2 WE 5 7325
SCOTT SIMON B 3653 UNIVERSITY ST WATTLEFIELD SPEEN NEWBURY BERKS ENGLAND	B A 4 VI 2 2073
SCOTT STEPHEN ALLAN 636 CLARKE AVE WESTMOUNT QUE	B A 4 WE 7 4483
SCOTT ZANDRA ARIADNA ROYAL VICTORIA COLLEGE 17 UNIVERSITY CRES KINGSTON 6 JAMAICA W I	B SC 1 VI 2 0571
SCRUTON BARBARA JOAN S 129 LINCOLN DR BEACONSFIELD QUE	3 TCHRS 1 OX 5 9671
SCULLY PETER DUNSTAN 17 STRATFORD RD HAMPSTEAD QUE	MD CM 4 HU 6 3202

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SCUPHAM PETER ST JOH J 3453 SHUTER ST MTL SEON PLACE EAST BROADWAY HAMILTON BERMUDA	B SC 2 VI 3 6709
SEAGRAM CHARLES G F 3466 SHUTER ST APT 408 50 ALBERT ST WATERLOO ONT	MD CM 2 VI 5 9882
SEAGRIM HERBERT JAMES 3581 UNIVERSITY ST MTL 20562 LAKESHORE RD BAIE D URFE QUE	B ENG CIV 4 VI 9 1368
SEALE JOHN WARD ANDREW 1441 DRUMMOND MTL 12 ROLLAND ST VALLEYFIELD QUE	B SC 2 VI 9 4171
SEALE JUDY DAWN 117 PRINCE EDWARD ST OTTERBURN HTS QUE	B SC 2
SEALE LEWIS ANDERSON 3506 DUROCHER AVE MTL 1391 OAK AVE SILLERY QUEBEC 6 QUE	B A 1
SEAMAN TERENCE JOHN 9843 LALANDE BLVD ROXBORO QUE	PARTIAL MU 4 3332
SEAMONE CHARLES EDWARD 1533 MCGREGOR ST MTL P O BOX 720 209 EMPIRE ST BRIDGEWATER N S	B ARCH 4 WE 5 0212
SEBASTIEN PIERRE 7661 DE LA SEINE VILLE D ANJOU QUE	B C L 4 CL 6 8192
SEDGEWICK ELIZABETH ANNE 236 BROCK AVE N MONTREAL WEST QUE	B A 2 HU 1 4193
SEDLEZKY ROSELYN 1460 MCGREGOR APT 501 MONTREAL QUE	PARTIAL VI 3 5238
SEEBOHM THOMAS 5611 WENTWORTH AVE COTE ST LUC QUE	B ENG 1 HU 9 1588
SEELY JOHN F 666 BELMONT AVE WESTMOUNT QUE	MD CM 3 HU 4 1604
SEELY PETER T 666 BELMONT AVE WESTMOUNT QUE	B A 3 HU 4 1604
SEFERS VIESTURS 4571 COOLBROOK AVE MONTREAL QUE	B ENG EL 5 HU 4 8394
SEGAL BRIAN 5860 WESTBURY MONTREAL 29 QUE	B A 1 RE 1 4793
SEGAL CAROLYN RUTH 484 COTE ST CATHERINE RD OUTREMONT QUE	B SC 1 CR 6 7844
SEGAL JERRY 4668 DE LA PELTRIE MONTREAL QUE	B ENG EL 5 RE 1 5435
SEGAL MARCIA 3900 BOUCHETTE ST MONTREAL 26 QUE	B A 1 RE 3 9596
SEGAL MARK DAVID 4030 VENDOME AVE MONTREAL QUE	B A 2 HU 6 4482
SEGAL MICHAEL 2270 VALADE ST ST LAURENT QUE	B SC AGR 1 RI 7 5936
SEGAL MOEY 4869 JEAN BRILLANT MONTREAL QUE	B SC 4 RE 7 4880
SEGAL MURRAY 8137 BIRNAM AVE MONTREAL QUE	B SC 3 CR 1 5496
SEGAL NORTON H 4785 BOUCHETTE AVE APT 31 MONTREAL QUE	B A 3 RE 3 6226
SEGALL GOLDIE 4677 KENT AVE MONTREAL QUE	B SC P OT 1 RE 7 8935
SEGVIN MAURILLE GEORGES 29 EAST REGENT ST HAWKESBURY ONT	B ENG MCH 4
SEHOTA MANJEET SINGH MCGILL COLLEGE AVE APT 8 C O S BUDH SINGH S D O CANALS KARNAL INDIA	B ENG 2
SEIDMAN CAROLE MARLENE 5533 PARKVIEW CREST COTE ST LUC QUE	B A 1 HU 8 6297
SELBY DAVID ADRIAN 1785 DE PATIE ST ST LAURENT QUE	M ENG 2 FE 1 0431
SELIGMAN FRED 3345 ELLENDALE AVE APT 11 MONTREAL QUE	MD CM 2 RE 7 8508
SELLER ILSE LIVIA 3476 WAKLEY AVE MONTREAL QUE	B SC 1 HU 8 6630
SEMCHISHEN OREST MAX 2086 BEACONSFIELD AVE MONTREAL 28 QUE	MED DIP 2 HU 4 0723
SEMOGAS RUTA MARY 7491 LASALLE BLVD LASALLE QUE	B SC 1 DO 6 9582
SENCHYNA SANDRA IRENE 212 LAKEVIEW AVE PTE CLAIRE QUE	B SC 1 OX 5 5029
SENDUEHLER MICHAEL JOSEPH 4921 CLANRANALD AVE MONTREAL QUE	MED DIP 3 HU 9 3513
SENECAL HUBERT 336 REDFERN WESTMOUNT QUE	B C L 3
SENI DAN ALEXANDER 4395 KENT AVE MONTREAL QUE	B ENG 2 RE 3 6054
SEPALL OLA KAARLO JOHAN 3600 RIDGEWOOD AVE MONTREAL 26 QUE	PH D 3 RE 9 7424
SEPINWALL JERRY 5922 WESTBURY AVE MONTREAL 29 QUE	B A 4 RE 7 2788
SEPPALA LYLA LILLIAN 3455 HUTCHISON ST APT 307 MTL CHITEK LAKE SASK	GRAD DIP 1 VI 2 6719
SEREGI PETER 3579 HUTCHISON ST MONTREAL QUE	B COM 2 VI 5 3563
SERVICE FREDERICK J 3851 UNIVERSITY ST MTL 17 SYDENHAM ST THOROLD ONT	MD CM 3
SERVISS KEN ROBERT WAYNE MACDONALD COLLEGE R R 1 MORRISBURG ONT	B SC AGR 1
SETKOWICZ ANN MARY S 301 WESTGATE DR ROSEMERE QUE	B SC 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SETO KENNETH 1276 ONTARIO ST MTL 24 MAIN ST HUNTSVILLE ONT	B ENG 1 LA 5 2321
SETO WING 1276 ONTARIO ST E BOX 471 HUNTSVILLE ONT	B ENG CH 4 LA 5 2321
SEVAKIAN HAGOP 5713 HUTCHISON ST MONTREAL 2 QUE	B ENG 1 CR 3 3564
SEYBOLD HUGH LAURIE 685 GROSVENOR AVE WESTMOUNT QUE	B ENG MCH 4 HU 1 4271
SEYBOLD PETER SAUNDERSON 685 GROSVENOR AVE WESTMOUNT QUE	B ENG 2 HU 1 4271
SHABANAH FIKRI HIMMAT 3468 DRUMMOND ST MONTREAL QUE	MD CM 2 VI 5 5031
SHACKELFORD ALBERT MARS 1518 ST ANTOINE ST MTL 793 BAYARD AVE ST LOUIS 8 MO USA	PARTIAL
SHACTER CORA FRANCES 5202 SARANAC ST MONTREAL QUE	B A 1 HU 8 3128
SHADLEY RICHARD EDWARD 5533 DUPUIS AVE MONTREAL QUE	B C L 1 RE 7 8475
SHADOWITZ MELVIN 4195 PLAMONDON APT 8 MONTREAL 26 QUE	H S D DIP 1
SHADOWITZ MILTON LEONARD 4195 PLAMONDON APT 8 MONTREAL QUE	H S D DIP 1 RE 1 4490
SHADOWITZ TRYNA ETHEL 4195 PLAMONDON APT 5 MONTREAL QUE	B A 1 RE 1 4490
SHAFFER ELAINE MARILYN 2720 SOISSONS AVE MONTREAL QUE	B A 1 RE 3 2286
SHAFFER HOWARD BERNIE 2165 BARCLAY AVE MONTREAL QUE	B A 2 RE 7 0242
SHAFFERMAN VICTOR NATHAN 711 STUART AVE OUTREMONT QUE	B A 2 CR 1 7836
SHAHIN CLAUDETTE RACHEL C 2130 VINCENT ST VILLE ST LAURENT QUE	B A 2 RI 8 8476
SHAIKOVITZ CHARLES S 4041 MARCIL AVE MONTREAL QUE	B SC 3 HU 4 2891
SHAKESPEAR NELLY M 3470 MCTAVISH ST APT 7 MONTEVIDEO 2144 ROSARIO ARGENTINA	M A 1 VI 4 6402
SHAM SAMUEL CHI CHIU 3517 HUTCHISON ST MTL 90 ROBINSON RD 1ST FL HONG KONG	B ARCH 5 VI 9 0109
SHAMSIE SYED JALAL 4610 PLAMONDON AVE MTL 5A ZAILDAR PARK ICHHRA LAHORE PAKISTAN	MED DIP 4 RE 8 7276
SHANE HANNAH 115 MELBOURNE AVE TOWN OF MT ROYAL QUE	PARTIAL RE 7 1789
SHANFIELD FLORENCE 2970 BRIGHTON AVE MONTREAL 26 QUE	B SC 2 RE 9 4189
SHANFIELD ISIDORE 2970 BRIGHTON AVE MONTREAL 26 QUE	MD CM 1 RE 9 4189
SHANNON CHARLES WILLIAM 11194 LAMOUREUX ST MONTREAL NORTH QUE	B A 1 DA 2 6899
SHANTZ VIRGINIA ANN LAIRD HALL 12016 GRENET ST MONTREAL 9 QUE	2 TCHRS 2
SHAPERA ERNESTINE MARIE 5152 WESTBURY AVE MTL 312 SASK CREC W SASKATOON SASK	M S W 1 HU 8 8210
SHAPERA RONALD 5145 COTE ST LUC RD APT 2 MONTREAL QUE	B A 3 HU 9 1032
SHAPIRO ALEXANDER 4742 MAPLEWOOD AVE MONTREAL 26 QUE	B SC 4 RE 7 9906
SHAPIRO BARRY HOWARD 3733 THE BOULEVARD WESTMOUNT QUE	B A 4 HU 6 7746
SHAPIRO BERNARD JACK 4719 CIRCLE RD MONTREAL QUE	M A 1 HU 4 6212
SHAPIRO DAVID GIBSON 345 LANSDOWNE AVE WESTMOUNT 6 QUE	B SC 1 WE 7 1475
SHAPIRO DAVID S 3733 WESTMOUNT BLVD WESTMOUNT QUE	D D S 3 HU 6 7746
SHAPIRO HAROLD TAFLER 1662 COLLEGE AVE ST LAURENT QUE	M A 1 RI 8 8049
SHAPIRO JOSEPH 11896 SOZOR COTE ST MONTREAL QUE	B ENG 1 FE 4 3853
SHAPIRO MARTIN 1001 SHERBROOKE ST W MTL 775 E 175TH ST BRONX 60 NEW YORK USA	GRAD QUAL 1 VI 4 0811
SHAPIRO PAUL HENRY 4904 PONSARD AVE MONTREAL QUE	B A 2 RE 1 4650
SHAPIRO ROBERT FRANKLIN 5155 ISABELLA AVE MONTREAL QUE	B ENG 1 RE 8 2641
SHAPIRO TOBA ESTHER 5524 RANDALL COTE ST LUC QUE	B SC 3 HU 6 1651
SHAPIRO VIVIAN 1662 COLLEGE MONTREAL QUE	M S W 1 RI 8 8049
SHARE NATHAN NORMAN 2159 GIROUARD AVE MONTREAL 28 QUE	PH D 2 HU 8 8494
SHARE SAUL LYON 3157 MAPLEWOOD APT 4 MONTREAL 26 QUE	B SC 1 RE 1 1510
SHARMA GANGA DHAR MACDONALD COLLEGE BARA BAZAR SHIKOHA BAD U P INDIA	PH D 2
SHARMA SHAIL KUMARI 456 PINE AVE APT 33 MTL MR D C SHARMA 29 DARZI CHERUK BAREILLY O P INDIA	PH D 2
SHARP ARNOLD BEAUMONT 1000 MONCRIEFT AVE MONTREAL QUE	B C L 2 RE 8 0584

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SHARP BRIAN STANWAY 729 UPPER LANSDOWNE AVE WESTMOUNT QUE	B A 3 HU 4 4882
SHARP DUNCAN A 3506 UNIVERSITY ST MTL BOX 101 OLHO RIOS JAMAICA W I	B ARCH 2
SHARP GORDON KELVIN G 3660 PEEL ST APT 10 MTL MAY DEN JAMAICA B W I	B ENG CH 3 VI 2 2489
SHARP MARY LOUISE MACDONALD COLLEGE 90 LOCKHART AVE TOWN OF MT ROYAL QUE	2 TCHRS 1
SHARP ROBERT ANDREW 1000 MONCRIEFF RD MONTREAL 16 QUE	B COM 1 RE 8 0584
SHARPE DUGAL FREDERICK BRITTAIN HALL BOX 196 PONTIAC CO QUYON QUE	3 TCHRS 1
SHARPE JOHN I 5086 RANDELL ST MONTREAL QUE	PH D 2
SHARPE LOUIS RAMOX 3683 HUTCHISON ST APT 35 MONTREAL QUE	D D S 2 VI 9 7964
SHARPE PATRICIA LOUISE 3783 GREY AVE MONTREAL 28 QUE	M S W 2 HU 6 6232
SHATILLA JEHAD GEORGE 11 PERONNE AVE MONTREAL QUE	B ENG 1
SHATTNER RHODA MARGARET 730 MCEACHRAN AVE OUTREMONT 8 QUE	B SC 3 CR 2 6712
SHATZKY ALLAN 5590 JEANNE MANCE MONTREAL 8 QUE	B A 1 CR 2 6801
SHAVELSON RHONA MARLENE 4435 GRAND BLVD MONTREAL QUE	B A 1 HU 4 3118
SHAW ANNE ELIZABETH ROYAL VICTORIA COLLEGE 456 MAPLE LEAF DR TORONTO 15 ONT	B SC P OT 2 VI 2 0833
SHAW DAVID BARRY 4870 BOURRET ST APT 303 MONTREAL QUE	M SC 1 RE 1 4339
SHAW LESLIE M 603 POWELL AVE TOWN OF MT ROYAL QUE	B A 2 RE 7 9862
SHAW MARGARET ANNE 57 PALMERSTON AVE TOWN OF MT ROYAL QUE	B A 4 RE 7 1026
SHAW SANDRA MARGARET 115 WESTCLIFFE AVE PTE CLAIRE QUE	2 TCHRS 1 OX 7 0533
SHEA GEORGE KEILLER BRITTAIN HALL 6 MACLEAN ST TRURO N S	B SC AGR 4
SHEA JAMES M 500 PINE AVE W MTL 99 LODGE ST MANCHESTER N H USA	MD CM 4
SHEA JOHN RAYMOND 3433 DUROCHER ST APT 806 77 SOUTH MAIN ST WATERBURY VT USA	M SC 1 VI 5 0563
SHEAR ALVIN 932 GROU ST VILLE ST LAURENT QUE	B A 2 RI 4 0626
SHEAR RUBY MACDONALD COLLEGE 110 THEORET ST ST LAURENT QUE	3 TCHRS 1
SHECTER JAY ERIC 724 JOHNSON AVE TOWN OF MT ROYAL QUE	B ENG 1 RE 8 9214
SHEE NEIL DESMOND 3543 ADDINGTON MONTREAL QUE	B C L 2 HU 4 7577
SHEEL JOHN GUY PATRICK 447 VICTORIA AVE WESTMOUNT QUE	B ENG 1 WE 7 1774
SHEFF ANNA 957 DUNLOP OUTREMONT QUE	B A 2 RE 7 4772
SHEFF GERALD 957 DUNLOP AVE OUTREMONT QUE	B ARCH 3 RE 7 4772
SHEIKH MUKHTAR HUSSAIN 3602 DUROCHER ST APT 10 MONTREAL 2 QUE	PH D 2
SHELDON DUNCAN BAKER 3485 MACTAVISH ST MTL 1620 OAK GROVE AVE SAN MARINO CALIF USA	B SC 4 VI 9 0141
SHELLARD ALBERT EDWARD W 4800 DECARIE BLVD APT 40 MONTREAL QUE	B ENG EL 3 HU 1 0675
SHEN JOE YUET BOX 382 STN B MTL 5 DORSET CRES 2ND FL KOWLOON HONG KONG	B ENG EL 5
SHENFIELD ALEXANDER D 7924 MACKLE AVE COTE ST LUC QUE	B SC 2 HU 8 8214
SHEPARD NORA LOUISE MACDONALD COLLEGE 272 MCDOUGALL AVE MONTREAL QUE	2 TCHRS 1
SHEPHERD COLIN RYLEY 3475A STANLEY ST APT 18 ARBOUR HILL ROSS ON WYE HEREFORDSHIRE ENGLAND	B ENG EL 3 VI 4 9759
SHEPHERD PATRICIA FRANCES 956 HARTLAND AVE MONTREAL 8 QUE	GRAD QUAL 1 RE 7 4671
SHEPPARD ELLIOTT ALTON 3473 UNIVERSITY ST MTL 128 FLATT AVE HAMILTON ONT	B D 1 VI 9 1791
SHEPPARD JACK 1465 ELIZABETH BLVD ST MARTIN QUE	B A 2 MU 1 8765
SHEPPARD JAMES GORDON 160 FAIRFIELD AVE GREENFIELD PARK QUE	B ENG 2 OR 1 2616
SHEPPARD MARGARET ANN 1844 FAYOLLE AVE VERDUN QUE	2 TCHRS 2
SHERECK BARRY MAURICE 4555 ST KEVINS AVE APT 5 MONTREAL QUE	B SC 2 RE 8 6809
SHERIDAN ANNE MARIE C MACDONALD COLLEGE R R 7 PERTH ONT	B SC H EC 1 GL 3 1880
SHERMAN GERALDINE P ROYAL VICTORIA COLLEGE 205 ELIZABETH DR CHATHAM ONT	B A 3 VI 9 0858
SHERMAN JACK 8567 MAYRAND ST MONTREAL QUE	B SC 2 RE 7 9382

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SHERMAN LEONARD BRITTAIN HALL 5290 BORDEN AVE MONTREAL QUE	H S D DIP 1
SHERMAN SANDRA 3196 KENT AVE MONTREAL QUE	B A 3 RE 8 7879
SHERWIN ALLAN LEONARD 4580 KENSINGTON AVE MONTREAL 28 QUE	M SC 1 HU 6 5188
SHERWIN NANCY ELEANOR ROYAL VICTORIA COLLEGE 1445 CAMB ST CAMBRIDGE MASS USA	B A 2 VI 2 0327
SHERWOOD DAVID HENRY DOUGLAS HALL CARLTON HOUSE CARLTON RICHMOND YORKS U K	B A 3
SHETLER KAYE JAMES G 37 HUDSON AVE TOWN OF MT ROYAL QUE	B C L 3 RE 9 0663
SHETLER WINNIFRED J 3480 ONTARIO AVE MTL 37 HUDSON AVE TOWN OF MT ROYAL QUE	B SC P OT 3 VI 2 0044
SHI KA LAU KENNETH 2050 CLAREMONT AVE APT 32 MTL 68 VILLAGE RD HAPPY VALLEY HONG KONG	B SC 2
SHIACH ALLAN G 456 PINE AVE W APT 5 MTL ARDGILZEAN ELGIN MORAY SCOTLAND	B A 4 AV 8 6738
SHIACH PETER GORDON DOUGLAS HALL ARDGILZEAN NR ELGIN MORAYSHIRE SCOTLAND	B ENG 1 VI 5 1946
SHIAU EDWIN LIANG Y 456 PINE AVE W APT A MTL 22 BONHAM ST W HONG KONG	MD CM 2 VI 9 7268
SHIBATA HIROFUMI 3485 MCTAVISH ST NO 17 ICHIGAYA KORACHO SHINJUKU KU TOKYO JAPAN	M A 2 VI 9 0141
SHIEH HANG SHAN P O BOX 121 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 2
SHIELD WILLIAM GEORGE J 68 COOLBREEZE AVE APT 402 PTE CLAIRE QUE	B ENG 2 OX 5 3299
SHIFF HOWARD 1828 VAN HORNE AVE OUTREMONT QUE	B COM 2 RE 8 8689
SHIFF RONA LEE 3 BELOEIL AVE OUTREMONT QUE	B SC 3 RE 8 3735
SHIFF THEODORE 3 BELOEIL AVE OUTREMONT QUE	MD CM 1 RE 8 3735
SHILINGOVSKY SARAH KEILA 5431 TRANS ISLAND MONTREAL QUE	B SC P OT 3 HU 1 4754
SHILLER BARRY MORTON 28 SHORNCLIFFE AVE WESTMOUNT QUE	B C L 1 HU 1 7955
SHILLER BRYANT MARVIN 167 PAGNUELO AVE OUT REMONT QUE	B ENG EL 4 CR 2 9725
SHILLER CAROLE RONA 28 SHORNCLIFFE AVE WESTMOUNT QUE	B A 3 HU 1 7955
SHILLINGFORD LENNOX MARK BRITTAIN HALL MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 2
SHILOV ILONA 4323 CIRCLE RD PIERREFONDS QUE	B ENG 1 NA 6 3601
SHILOV MARIAN 4323 CIRCLE RD PIERREFONDS QUE	B A 3 NA 6 3601
SHILSON DOREEN RUTH MACDONALD COLLEGE 756 14TH AVE LACHINE QUE	2 TCHRS 1
SHILTON ELIANE 3900 PLAMONDON AVE APT 11 MONTREAL QUE	B SC 1 RE 3 1788
SHIMELMAN MORRIS MYER 3483 PEEL ST MTL 631 BOISJOLI ST SHERBROOKE QUE	B SC 2 VI 2 0882
SHINKODA AUSTIN TATSUMI 4921 BARCLAY AVE APT 7 MONTREAL QUE	B ENG 2 RE 3 3988
SHINKODA RYUICHI 35 FIRST AVE LASALLE QUE	B SC 1 DO 6 6554
SHINNERS MICHAEL PATRICK 340 BROSSEAU RD BROSSEAU STN QUE	B ENG CIV 5 OL 9 1664
SHINOZUKA HISASHI 3524 SHUTER MONTREAL QUE	M SC 1
SHIP SHIRLEE ETHEL 6725 MOUNTAIN SIGHTS MONTREAL 29 QUE	3 TCHRS 1 RE 8 1273
SHIPLEY JOHN ROBERT 2125 SUNSET RD MONTREAL 16 QUE	B SC 2 RE 3 7967
SHIPPAM ARTHUR FREDERICK 146 JASPER AVE MONTREAL 16 QUE	D D S 1 RE 7 1933
SHIPTON GAIL PATRICIA MACDONALD COLLEGE 575 LOGAN ST ST LAMBERT QUE	B ED P ED 2
SHIZGAL BERNARD 5753 MCALEAR COTE ST LUC 29 QUE	B SC 2 HU 8 5025
SHIZGAL HARRY M 4720A LACOMBE MONTREAL QUE	MD CM 2 RE 9 4809
SHIZGAL MORTIMER DAVID 4720A LACOMBE AVE MONTREAL QUE	D D S 2 RE 8 5937
SHLACHTER RALPH 5554 SNOWDON AVE APT 16 MONTREAL QUE	B SC 1 HU 1 5145
SHLIEN DAVID JOSEPH 8027 STUART AVE MONTREAL QUE	B ENG MCH 5 CR 1 6982
SHOLZBERG SHARON 8535 STUART AVE MONTREAL QUE	B SC 2 CR 9 4869
SHOOFEY FRANKLIN D 9223 PARK AVE MONTREAL QUE	B A 4 DU 9 6365
SHORE BEN 3212 KENT AVE MONTREAL QUE	B SC 4 RE 7 2824
SHORROCK RICHARD WILLIAM 4341 HARVARD AVE MONTREAL 28 QUE	B SC 2 HU 4 7257

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
SHORT BERNARD 2780 DARLINGTON PL APT 32 MONTREAL QUE	RE 9 7695	M ENG 2
SHORT JUDITH MARILYN ROYAL VICTORIA COLLEGE 23 HAMPTON GARDENS PTE CLAIRE QUE	VI 2 0847	B ED PED 3
SHORTLAND FREDERICK E 71 ANGELL AVE BEACONSFIELD QUE	OX 7 1712	PH D 3
SHOSTAK JACK 4020 LINTON AVE APT 5 MONTREAL QUE	RE 9 1542	B ENG 2
SHOSTAK MURRAY 4947 MARIETTE AVE MONTREAL QUE	HU 8 1520	B ENG 1
SHOWER VIVIAN LEE ROYAL VICTORIA COLLEGE BOX 273 150 WILLIAM ST COWANSVILLE QUE	VI 2 0334	B SC 3
SHPIRO EDWARD JACOB 430 WILLOWDALE AVE APT 20 OUTREMONT QUE	RE 3 0632	B ENG MEC 3
SHRIMPTON HOWARD T 285 EMPIRE AVE GREENFIELD PARK QUE	OR 1 1549	B ENG CIV 5
SHRIVASTAVA GYANCHANDRA 3619 UNIVERSITY ST MONTREAL QUE	VI 4 6311	PH D 3
SHRYBMAN ELEANOR 4985 IONA AVE MONTREAL QUE	RE 7 9130	H S D DIP 1
SHTERN ISRAEL HIRSH 220 FAIRMOUNT W APT 12 MONTREAL QUE	CR 4 0321	PH D 4
SHTULL EDWARD A 782 OUTREMONT AVE OUTREMONT QUE	CR 2 8471	D D S 1
SHTULL SUSAN 5573 DUNMORE AVE MONTREAL 26 QUE	RE 3 1977	B A 1
SHUFELT DAVID WEBB 302 23RD AVE ILE PERROT EAST FARNHAM QUE		B SC AGR 4
SHULDINER HYMAN 4866 HUTCHISON MONTREAL QUE	CR 4 2041	B SC MDCM 1
SHULMAN MARIAN PAULA 4750 FULTON ST MONTREAL 26 QUE	RE 7 2484	B A 1
SHULTZ DOROTHY CLAIRE MACDONALD COLLEGE 5372 BOURRET AVE MONTREAL QUE	RE 8 0920	3 TCHRS 1
SHUM GEORGE CHI KIN 3517 HUTCHISON ST MTL 90 ROBINSON RD 1ST FL HONG KONG		B ENG 1
SHUSTER ANN THELMA 631 QUERBES AVE OUTREMONT QUE	CR 9 0558	3 TCHRS 1
SHUSTER DAVID NORMAN 3525 GIROUARD AVE MONTREAL QUE	HU 1 1403	B SC 4
SHUSTER EDNA 4848 ISABELLA AVE MONTREAL QUE	RE 3 6758	B A 1
SHUSTER HARVEY JACK 7480 MOUNTAIN SIGHTS APT 319 MONTREAL QUE	RE 3 2285	D D S 4
SHUSTER JONATHAN JACOB 3525 GIROUARD AVE MONTREAL 28 QUE	HU 1 1403	B SC 1
SICHEL JOHN M 4818 DORNAL AVE MONTREAL 26 QUE	RE 8 9315	B SC 2
SIDES MARILYN JEAN MACDONALD COLLEGE 7400 DE ROQUANCOURT ST MONTREAL 16 QUE		P E DIP 1
SIEBRASSE JACK KENT 351 GERALD AVE VILLE LASALLE QUE	DO 6 5008	B ENG 1
SIEGEL LEILA ROSALIND 5687 QUEEN MARY RD HAMPSTEAD QUE	HU 8 7160	B A 2
SIEGL WALTER 3670 DUROCHER ST APT 15A DORNBIRN SCHILLERSTR 3 AUSTRIA	VI 5 4479	GRAD QUAL 1
SIEGLE ELIZABETH MARGARET MACDONALD COLLEGE 620 PRINCE ARTHUR W MONTREAL QUE		H S D DIP 1
SIGMAN CLAIRE 4832 MELROSE AVE MONTREAL QUE	HU 6 3571	2 TCHRS 1
SIGMAN GERALD 4828 MELROSE AVE MONTREAL QUE	HU 6 6813	MD CM 3
SIGMAN HARVEY HAROLD 656 LANSDOWNE AVE WESTMOUNT QUE	HU 6 2312	MED DIP 3
SIGNER DAVID JOSEPH 5390 HUTCHISON ST OUTREMONT QUE	CR 6 3451	D D S 2
SIKOFAND RUTH STEWART HALL 5601 WENTWORTH COTE ST LUC QUE		2 TCHRS 2
SILBERMAN MATTHEW 5350 MONTCLAIR AVE MONTREAL 29 QUE	HU 9 1441	B A 2
SILCOFF BRIAN 5156 HUTCHISON ST OUTREMONT QUE	CR 1 5149	B A 2
SILVER DANIEL 1029 BALL AVE MONTREAL QUE	CR 4 4888	MD CM 1
SILVER FRANCES CALLA 634 SYDENHAM AVE MONTREAL QUE	HU 6 1298	B A 4
SILVER JOSEPH 634 SYDENHAM AVE WESTMOUNT QUE	HU 6 1916	B A 3
SILVER MALCOLM DAVID 3545 UNIVERSITY APT 2 MONTREAL 2 QUE	VI 5 6334	M SC 1
SILVER STEPHEN DAVID 5820 MCSHANE MONTREAL QUE	RE 7 2960	B COM 4
SILVERBERG NORMAN 4100 DE LA PELTRIE ST MONTREAL 26 QUE	RE 3 8606	B SC 2
SILVERBERG SEYMOUR 2740 GOYER ST APT 19 MONTREAL QUE	RE 3 7705	MD CM 2
SILVERMAN JON DAVID 4695 COTE ST CATHERINE MONTREAL QUE	RE 8 7712	B COM 4
SILVERMAN MELVIN 656 DAVAAR AVE OUTREMONT QUE	CR 7 8945	MD CM 1
SILVERMAN OIZER 5742 MOUNTAIN SIGHTS AVE MONTREAL 29 QUE	RE 3 1840	B ENG MCH 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SILVERMAN SPENCER 5340 KING EDWARD AVE MONTREAL QUE	PARTIAL HU 8 4968
SILVERSON LOIS MARGARET E MACDONALD COLLEGE R R 6 LACHUTE QUE	B ED 2
SILVERSTONE JOSEPH 3734 COTE ST CATHERINE APT 11 MONTREAL QUE	B C L 3 RE 3 9067
SILVERSTONE RONALD 5421 MACDONALD AVE MONTREAL QUE	B A 1 HU 1 1527
SILVERTON SAMUEL J 5137 CLANRANALD MONTREAL QUE	B SC 1 HU 8 8735
SILVERTON SANDRA RACHAEL 5137 CLANRANALD AVE MONTREAL QUE	M S W 1 HU 8 8735
SILVESTER ELIZABETH 3610 DUROCHER APT 26 MONTREAL QUE	B L S 1 AV 8 6769
SILVESTER PEET 3610 DUROCHER ST APT 26 MONTREAL 18 QUE	PH D 2 AV 8 6769
SIMAND MURRAY 5603 MCALEAR AVE COTE ST LUC QUE	B SC 2 HU 6 6870
SIMANIS AGRIS 130 PRINCE ARTHUR W APT 1 MONTREAL 18 QUE	B ENG 2 VI 4 9791
SIMARD NICOLE ROYAL VICTORIA COLLEGE 640 ST LOUIS RD QUEBEC QUE	B A 4
SIMEONE JOHN BAPTISTE 3621 DUROCHER ST MTL 4309 HUDSON BLVD NORTH BERGEN N J USA	B A 1
SIMMONS FRED ALBERT 545 PINE AVE W MTL 174 MT VERNON ST WEST NEWTON MASS USA	MD CM 4 VI 5 5841
SIMMONS GLORIA JANET ROYAL VICTORIA COLLEGE NORTH SHORE DEVONSHIRE WEST BERMUDA	B SC 4 VI 2 0477
SIMMONS JOHN D J 3485 MCTAVISH ST NEWBORO ONT	B SC 1 VI 9 0141
SIMMONS RICHMOND D 3511 PEEL ST MTL SLIP RD ST GEORGES BERMUDA	B SC 3 VI 4 4777
SIMON ERIKA JUDITH 5770 COTE ST LUC MONTREAL QUE	B L S 1 HU 1 0668
SIMON JAMES ERWIN G 855 MARLBORO DR MONTREAL 9 QUE	M A 2 RE 3 5000
SIMON KENNETH ROBERT 3070 GRAHAM BLVD TOWN OF MT ROYAL QUE	B COM 2 RE 7 0320
SIMON RONALD GEORGE 3070 GRAHAM BLVD TOWN OF MT ROYAL QUE	B COM 3 RE 7 0320
SIMON WILLIAM G 1507 FOCH AVE VERDUN QUE	B A 3 PO 8 5806
SIMON WOLFGANG KARL 2487 VAUQUELIN ST MONTREAL QUE	B SC 2 RA 7 7351
SIMONEAU CHARLES 3429 SHUTER ST MTL 377 ST GEORGE ST WINDSOR QUE	B ENG 2 VI 9 5827
SIMONIAN ARTHUR 5909 HUTCHISON ST MONTREAL QUE	B ENG 1 CR 9 2503
SIMONS CHARLES ERSKINE E 902 RICHMOND SQ MTL SOUTHAMPTON EAST BERMUDA	B ENG 1
SIMONS JOHN HERBERT 3511 PEEL ST MTL 28 LORNE AVE P O BOX 867 LENNOXVILLE QUE	B ENG EL 5 VI 4 4777
SIMONS MARILYN OLIVIA ROYAL VICTORIA COLLEGE SOUTHAMPTON EAST BERMUDA	B SC N 3 VI 2 0327
SIMPSON ALAN WALTER 5625 GATINEAU AVE MONTREAL 26 QUE	MED DIP 3 RE 9 7639
SIMPSON JAMES GARY 1533 MCGREGOR ST APT 95 26 ROBERTSON PL ST CATHARINES ONT	B ENG CIV 5 WE 5 0212
SIMPSON JEAN H ROYAL VICTORIA COLLEGE 285 LIGHT ST WOODSTOCK ONT	B A 4 VI 2 0477
SIMPSON JEAN MARY 462 WOOD AVE WESTMOUNT QUE	B SC 2 WE 5 1520
SIMPSON PATRICIA MAY 150 SUNNYSIDE AVE PTE CLAIRE QUE	2 TCHRS 2 OX 5 9090
SIMPSON RONALD GRAHAM 3647 DUROCHER ST MTL 25 20TH AVE SAN FRANCISCO 21 CALIF USA	MD CM 4 VI 2 5669
SIMSER RAY GRAHAM 3467 SIMPSON ST MTL 1422 MOODIE ST FORT WILLIAM ONT	B ED PED 4 WE 7 6093
SINAI LISETTE IRENE 701 GROSVENOR AVE WESTMOUNT QUE	B SC 1 HU 6 7638
SINANAN CHANDRA RICKHI 3446 HUTCHISON ST MTL 53 FREDERICK ST PORT OF SPAIN TRINIDAD W I	B SC 1
SINCLAIR BRIAN JAMES 902 OAK AVE ST LAMBERT QUE	B SC 2 OR 1 6597
SINCLAIR DIANE 5570 LYNDALE AVE COTE ST LUC QUE	3 TCHRS 1
SINCLAIR DIANE LOUISE 2855 L HEUREUX ST MONTREAL 9 QUE	B A 4 FE 4 8945
SINCLAIR HEATHER ANNE 14 HEATH RD HAMPSTEAD QUE	B SC P OT 5 HU 4 5280
SINCLAIR PETER THOMAS 628 MURRAY HILL WESTMOUNT QUE	B ENG EL 4 HU 4 3801
SINCLAIR STANLEY 1264 BOIS FRANC BLVD VILLE ST LAURENT QUE	B SC 2 FE 4 6643
SINDER ALAN ABA 3975 DUPUIS APT 12 MONTREAL 26 QUE	M A 2 RE 9 0815

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SINGER ABRAHAM 749A DE L EPEE AVE OUTREMONT QUE	B SC 2 CR 3 3043
SINGER IDA SHEILA 862 DOLLARD AVE MONTREAL 8 QUE	2 TCHRS 1
SINGER PHILIP NORTON 4106 KENT AVE MONTREAL QUE	B ENG CIV 5 RE 8 2652
SINGER RAY CHARLES 137 TRENTON AVE TOWN OF MT ROYAL QUE	B SC 1 RE 3 6472
SINGER RONALD 424 EDWARD CHARLES MONTREAL QUE	H S D DIP 1 CR 2 5194
SINGERMAN DAVID TASSY G 4901 VAN HORNE AVE MONTREAL QUE	GRAD QUAL 1
SINGERMAN NAOMI SUSAN 6602 PARKVIEW RD COTE ST LUC	B A 2 HU 4 0821
SINGH RAMNANAN 3620 STE FAMILLE ST MTL ERIN RD SIPARIA TRINIDAD B W I	B ENG EL 3
SINGH SANT PARKASH 2087 ST LUKE ST APT 16 H NO 101 WS BASTI SHEIKH JULLUNDUR PANJAB INDIA	M A 1 WE 3 9012
SINGLE JAMES ALFRED 765 MOFFAT AVE VERDUN QUE	B ENG 1 PO 8 3176
SINKUNAS JOHN JOSEPH 6738 14TH AVE MONTREAL 36 QUE	B SC 4 RA 5 3392
SIPELIS VITOLIS S 940 OSBORNE AVE VERDUN QUE	B ENG CIV 5 PO 7 7559
SIPOS ROBERT LESLIE 8154 DE L EPEE AVE MONTREAL 15 QUE	B SC 2 CR 2 5959
SISE CHARLES F 54 ABERDEEN AVE WESTMOUNT QUE	B A 3 WE 2 7479
SITARAMAIAH GULLAPALLI 3420 UNIVERSITY ST MTL VIDYAVIHAI PILANI INDIA	PH D 4 VI 9 6223
SKABURSKIS ANDREJS 5415 PRINCE OF WALES AVE APT 43 MONTREAL QUE	B ENG 1 HU 8 8571
SKANES ROBERT MOORE 249 PLANEVIEW CIRCLE DORVAL QUE	B ENG 1 ME 1 0525
SKELTON RAMA LAWRENCE 12 AMESBURY APT 565 MTL P O BOX 633 BAIE COMEAU QUE	B ENG MCH 5 WE 7 7926
SKILLEN GARY KENNETH BRITTAIN HALL R R 1 SOUTH DURHAM QUE	AGR DIP 1
SKILLMAN GEORGE EDWARD 1290 PINE AVE W MTL 25 2233 ARTHUR AVE LAKEWOOD 7 OHIO USA	B A 1
SKINNER DOUGLAS ALAN 49 ST JOHNS RD PTE CLAIRE QUE	B ENG 2 OX 5 3424
SKLAR MARTIN 2220 DEPATIE VILLE ST LAURENT QUE	B SC 1 FE 1 0336
SKOLNICK SAUL DAVID 786 CHAMPAGNEUR AVE MONTREAL QUE	B SC 1 CR 6 4831
SKOLNIK BARRY RALPH 4841 PLAMONDON AVE MONTREAL QUE	B ENG 2 RE 7 5474
SKRIPKA GENEVIEVE BERTHA 6525 18TH AVE MONTREAL 36 QUE	B A 1 RA 2 7265
SKYPECK THOMAS J 4901 MAYFAIR MTL FULLER RD CHICOPEE FALLS MASS USA	D D S 2 HU 9 0714
SLABOTSKY DAVID SOLOMON 5566 PINEDALE COTE ST LUC QUE	B A 1 HU 1 8355
SLAKMON JEAN PIERRE 2810 BARCLAY AVE MONTREAL 26 QUE	B ENG 1 RE 9 0411
SLAPACK FRAYDA NAOMI 5562 GLENCREST COTE ST LUC QUE	B A 2 HU 8 5560
SLATKOFF SUSAN LINDA 3097 THE BOULEVARD MONTREAL 6 QUE	B A 1 WE 7 9659
SLATKOFF ROBERT LYON 3097 THE BOULEVARD MONTREAL QUE	MD CM 1 WE 7 8356
SLAWNER ABRAHAM 2355 MANTHA ST LAURENT 9 QUE	B SC 1 RI 4 4644
SLESIN AVIVA 4861 VICTORIA AVE MONTREAL QUE	B A 2 HU 4 1561
SLOMAN LEON 4725 BOURRET APT 406 MONTREAL QUE	MED DIP 4 RE 9 6465
SLOSARCIK JOHN ANDREW 280 DE MONTIGNY ST APT 3 MONTREAL QUE	B ENG MCH 5 AV 8 8708
SMALL ALLAN FRED 5285 BESSBOROUGH AVE MONTREAL 29 QUE	B SC 1 HU 6 7074
SMALL SHIRLEY A U 3510 LORNE AVE APT 1 MONTREAL QUE	B A 3 VI 9 5416
SMALL TERRENCE R 5770 COTE ST LUC RD APT 12 MONTREAL QUE	B A 1 HU 8 0419
SMALLWOOD WYNNE CHURCHILL 3550 LINTON AVE APT 505 MONTREAL QUE	D D S 3 RE 8 2274
SMART CAROL ANNE E 3505 PEEL ST MONTREAL 2 QUE	GRAD DIP 1 VI 9 4931
SMART FLOYD LESLIE MACDONALD COLLEGE R R 2 SHAWVILLE QUE	B SC AGR 1
SMART JOAN LOUISE 21 HOLTON AVE WESTMOUNT QUE	B SC P OT 3
SMIT MARJORIE ELINOR 144 COTE ST ANTOINE RD WESTMOUNT QUE	2 TCHRS 1
SMITH ALLEN ERSKINE 12 BRUNET AVE PTE CLAIRE QUE	B COM 2 OX 5 4836
SMITH ANN FRANCES MACDONALD COLLEGE 144 BETOURNAY AVE ST LAMBERT QUE	B ED 2
SMITH BARBARA CAROL 4360 MAYFAIR AVE MONTREAL QUE	B ED 3 AV 1 4908

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SMITH BRIAN DAVID 41 PINE AVE W APT 2A MTL 65 PRINCE ST HUNTINGDON QUE	B ED 4 VI 5 5604
SMITH BROCK AUSTIN WILSON HALL C O AUSTIN SMITH C O INTERNATIONAL NICKEL 55 YOUNG ST TORONTO ONT	B COM 1
SMITH DAVID EDGAR 3491 CONNAUGHT AVE MONTREAL QUE	B SC 3 HU 6 8524
SMITH DAVID ROYCE 4370 KENSINGTON AVE MONTREAL QUE	MD CM 1 HU 8 6053
SMITH DONALD ROBERT 1429 STANLEY ST MTL 171 OLD YONGE ST WILLOWDALE ONT	B ENG 1 VI 4 8030
SMITH DOREEN 5803 TRANS ISLAND AVE MONTREAL QUE	B A 1 RE 7 9180
SMITH EDGAR NELSON 3464 WALKLEY AVE MONTREAL QUE	PARTIAL HU 6 3122
SMITH ERIC MORTON 4635 BOURRET ST APT 63 160 QUEBEC ST SHERBROOKE QUE	B A 3 RE 9 7210
SMITH EVAN LAURIER 3488 DUROCHER ST MTL HARBOUR RD WARWICK WEST BERMUDA	B ENG 2
SMITH FRANK ASTOR 3540 HUTCHISON ST MTL BROOKLYN RIVER RD ST MICHAEL BARBADOS W I	MD CM 1 VI 9 0611
SMITH GEOFFREY L 231 WOLSELEY AVE MONTREAL WEST QUE	B ENG EL 4 HU 4 0559
SMITH GORDON SCOTT 10 BRAESIDE PL WESTMOUNT QUE	B A 3 WE 3 3142
SMITH GORDON WAINWRIGHT 4972 RANDALL AVE MONTREAL 29 QUE	M ENG 2 HU 4 7259
SMITH GRANT KENWOOD 25 45TH AVE LACHINE QUE	PH D 4 ME 7 1643
SMITH JAMES BARRIE DOUGLAS HALL 2 PLAMONDON AVE DRUMMONDVILLE QUE	B ENG 1 VI 4 0977
SMITH JAMES BRYCE 3471 PEEL ST MTL MIDDLE RD PAGET WEST BERMUDA	B COM 2 VI 9 0133
SMITH JOHN NEWTON WEBSTER 4650 HINGSTON AVE MONTREAL QUE	B A 1 HU 1 2951
SMITH JUDY ANNE 958 UPPER CAMBRIDGE RD BAIE D URFE QUE	B SC H EC 1 GL 3 5853
SMITH LARRY ALLAN 6255 WESTBURY AVE MONTREAL QUE	B ENG 2 RE 7 7049
SMITH MARILYN BARBARA 239 BROOKFIELD AVE TOWN OF MT ROYAL QUE	L MUS 1 RE 7 7658
SMITH MARILYN WINIFRED LAIRD HALL 188 6TH AVE LASALLE QUE	2 TCHRS 2
SMITH PETER WILLIAM E 470 PRINCE ARTHUR APT 2 MONTREAL QUE	M SC 2 VI 5 3777
SMITH RAYMOND MACDONALD 4650 HINGSTON AVE MONTREAL QUE	B SC 3 HU 1 2951
SMITH REGINALD DONALD 3201 FOREST HILL AVE MONTREAL QUE	MED DIP 1 RE 1 7269
SMITH RICHARD BYRON MYSTIC QUE	B SC AGR 1
SMITH ROBERT L 344 37TH AVE LACHINE QUE	B ED 4 ME 7 1603
SMITH ROBERTA ELAINE STEWART HALL BOX 647 LENNOXVILLE QUE	H S D DIP 1 GL 3 6261
SMITH SANDRA EUNICE MACDONALD COLLEGE 570 SANFORD AVE ST LAMBERT QUE	2 TCHRS 1
SMITH SANDRA GERALD 1227 SHERBROOKE ST W APT 34 MONTREAL QUE	B A 4 VI 9 6633
SMITH STUART DURNFORD 338 METCLAFE AVE WESTMOUNT QUE	B ENG PHY 4 WE 3 4535
SMITH STUART L 690 SHERBROOKE ST W MTL 4561 MELROSE AVE MONTREAL QUE	MD CM 3 AV 8 2247
SMITH SUSAN ANN MACDONALD COLLEGE 1210 PINE AVE SILLERY QUEBEC 6 QUE	P E DIP 1
SMITH THOMAS HOWARD APT C 10 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PH D 3
SMITH THOMAS THORMBER BRITTAIN HALL 2032 WESTMORE APT H MONTREAL 28 QUE	H S D DIP 1 HU 6 6736
SMITHERS ROSS 4021 HAMPTON AVE MONTREAL 28 QUE	B COM 1 HU 4 6112
SMOLY JENNIE MARY ROYAL VICTORIA COLLEGE 702 FOURTH AVE VAL D OR QUE	B SC 4 VI 2 0526
SMOLY SALLY ANN STEWART HALL 702 FOURTH AVE VAL D OR QUE	3 TCHRS 1
SMYRLOGLOU ELI 2163 GIROUARD AVE MONTREAL 28 QUE	B SC 1 HU 6 5340
SMYTH DAVID RICHARD 6563 12TH AVE MONTREAL 36 QUE	B ENG EL 4 RA 7 6037
SMYTH MICHAEL KEVIN 1861 CANORA RD T M R ORMSTOWN QUE	B C L 4 RE 8 3191
SMYTH PHYLLIS NORMA 1009 SHERBROOKE ST MTL 25 NELSON ST MONTREAL WEST QUE	B D 1 VI 4 0426
SMYTHE JUDITH ANN 690 VICTORIA DR BAIE D URFE QUE	2 TCHRS 1 GL 3 8261
SMYTHE ROBERT MARSHALL 4475 CORONATION AVE MONTREAL QUE	B ENG EL 4 HU 6 4666

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
NELL JAMES GRANT 3473 UNIVERSITY ST MTL 2 159 GLENROSE AVE TORONTO 7 ONT	VI 9 1791	B A 2
NIDER ERIC ARTHUR 3508 UNIVERSITY ST BOX 69 MEAFORD ONT	VI 4 0752	B D 2
NOW CHARLES ROY BRITTAIN HALL 12 AURORA AVE PTE CLAIRE QUE		B SC AGR 2
NYDER SAMUEL JOSEPH 3548 STUART AVE MONTREAL 15 QUE	CR 6 9458	B SC 1
O WAI CHEONG 3517 HUTCHISON ST MTL 114R WATERLOO RD 1ST FL KOWLOON HONG KONG	VI 9 0109	B ENG AM 5
OBIE CYMON JACK 5752A DEVIMY AVE MONTREAL 26 QUE	RE 8 8807	H S D DIP 1
OBLE RICHARD ALAN 5431 DRUMMOND ST 32 WESSEX RD NEWTON 59 MASS USA	VI 9 0243	B SC MDCM 1
OCOLOW BARBARA ANN 5592 DUROCHER AVE OUTREMONT QUE	CR 4 0929	B SC P OT 3
ODA ANGELINA B 5687 BORDEAUX ST MONTREAL QUE	RA 8 2429	B A 2
OFTLEY HELEN LOIS ROYAL VICTORIA COLLEGE 54 HUMBERCREST BLVD TORONTO 9 ONT		B SC P OT 2
OHMER DAVID H 1700 SOISSONS AVE MONTREAL QUE	RE 7 6140	B COM 3
OIFERMAN GERALD ELLIOT 5608 RAND AVE COTE ST LUC QUE	HU 8 6326	B ARCH 4
OIFERMAN MERLE 940 SOISSONS MONTREAL QUE	RE 7 0748	B A 3
OIFFER PHILIP IRVINE 1098 GOYER APT 7 MONTREAL QUE	RE 8 1933	B ENG EL 5
OKOLOFF MARK IAN 5521 WESTBOURNE AVE COTE ST LUC QUE	HU 6 6208	B SC 1
OKOLOWSKI ISABEL 5235 DECARIE BLVD APT 6 MONTREAL QUE	HU 4 3217	B SC 4
OLHAUG KJELL 17 UPPER LANSDOWNE WESTMOUNT QUE	HU 9 6606	D D S 3
OLOMON BARBARA CAROL 5190 BARCLAY AVE MONTREAL QUE	RE 8 1911	B SC P OT 1
OLOMON EDWARD BENJAMIN 5047 KENT AVE MONTREAL QUE	RE 8 1912	MD CM 1
OLOMON EDWARD RUDY 5680 BOURRET MONTREAL QUE	RE 8 8220	B ENG EL 5
OLOMON FREDERICK L 5685 WESTMOUNT AVE WESTMOUNT 6 QUE	HU 4 4891	B C L 2
OLTES EDWARD JOHN 582 FORTIN PONT VIAU QUE	MO 9 5496	B SC 4
SOLTICE NORMAN JOHN 3565 JEANNE MANCE APT 11 MONTREAL 18 QUE	VI 5 6475	MED DIP 2
SOLWAY DAVID JOSEPH 629 PRINCE ARTHUR ST 95 TOUR DE LAC ST STE AGATHE DES MONTS QUE	VI 9 0739	B A 3
SOLYOM LESLIE 3550 LINTON AVE APT 402 MONTREAL QUE	RE 9 3979	MED DIP 4
SOMANCHI SITARAMAYYA 3450 UNIVERSITY ST MTL C O S B SANKARAM POWERPET ELURU ANDHRA INDIA		GRAD QUAL 1
SOMARSALL MILDRED C M ROYAL VICTORIA COLLEGE HAPPY VALLEY RD DEVONSHIRE W BERMUDA	VI 2 0265	B SC 4
SOMARSALL YVONNE DOREEN ROYAL VICTORIA COLLEGE P O BOX 57 HAMILTON BERMUDA	VI 2 0334	B SC 4
SOMMER FELIX 460 31ST AVE LASALLE QUE	DO 5 0577	MED DIP 3
SOMMERFREUND FRANCES 486 VICTORIA AVE WESTMOUNT QUE	HU 1 6853	B SC 2
SONIN AVRUM FRANK 4617 KENSINGTON AVE MONTREAL 28 QUE	HU 1 7516	B SC 1
SOO CRYSTAL SUIT CHING ROYAL VICTORIA COLLEGE 251 CIRCULAR RD KUALA LUMPUR MALAYA	VI 2 0265	B SC 3
SOOMET LILIAN 263 ST CHARLES RD GREENFIELD PARK QUE	OR 1 0593	B A 4
SOOSAAR KETO 110 SHERBROOKE ST BEACONSFIELD QUE	OX 5 6147	B ENG AM 5
SOPKO JOHN 6575 36TH AVE MONTREAL 36 QUE	RA 7 5219	B ENG MCH 5
SOPKO MICHAEL 6575 36TH AVE MONTREAL 36 QUE	RA 7 5219	M ENG 1
SOPP BRIAN W L 88 ST LOUIS AVE DORVAL QUE	ME 1 4792	B ENG 1
SORELLA VITTORIO 6724 CHABOT ST MONTREAL QUE		B ENG EL 3
SORLEY JAMES DOUGLAS 505 RITCHIE ST OTTAWA ONT		B D 1
SOROKA LEWIS ARTHUR 4400 DRAPER AVE MONTREAL QUE	HU 1 6494	B A 1
SOSNIAK JACOB 3841 ST KEVIN ST MONTREAL QUE		PH D 4
SOSSANPOUR FOUAD 3511 SHUTER ST MTL P O BOX 1541 TEHERAN IRAN		B SC 1
SOURAL ERNEST WENZEL 4171 BEACONSFIELD AVE MONTREAL 28 QUE	HU 8 3077	B ENG 1
SOURKES HOWARD ALLAN 6940 FIELDING APT 106 MONTREAL QUE	HU 6 9958	B SC 1

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Where two addresses are given, the second is the home address.

NAME ADDRESS	COURSE & YEAR TEL. NO.
SOUTER MICHAEL JOHN WILSON HALL 60 ELMFIELD RD GOSFORTH NEWCASTLE ON TYNE ENGLAND	B COM 1
SOUTH ASTLEY SAMUEL 3433 DECARIE BLVD MTL CHRISTIANA JAMAICA W I	M A 1 HU 6 9413
SOUTHAM DOROTHY CARGILL 1227 SHERBROOKE ST W APT 92 MONTREAL QUE	B SC N 1 VI 4 8500
SOUTTER MALCOLM JAMES BRITTAIN HALL 1500 STANLEY ST APT 716 MONTREAL QUE	3 TCHRS 1 VI 9 2780
SOVIE THEODORA ANN ROYAL VICTORIA COLLEGE 1709 FORD ST OGDENSBURG N Y USA	B SC 1 VI 2 0571
SOWERS REBECCA DEAN ROYAL VICTORIA COLLEGE 236 HIGMAN PARK BENTON HARBOR MICH USA	B A 3 VI 9 0858
SOYINKA TUOLA ABIMBOLA 3449 PEEL ST MTL ST PETERS PARSONAGE AKE ABEOKUTA NIGERIA	GRAD DIP 1 VI 4 0722
SPADA MARY ANN 12237 PERSILLIER BLVD MONTREAL QUE	3 TCHRS 1 FE 4 4969
SPECTOR BARBARA ANN 624 CARLETON AVE WESTMOUNT QUE	B A 3 HU 8 1326
SPECTOR CHARLES LOUIS 5230 MUSSET AVE MONTREAL QUE	B A 4 HU 1 3707
SPECTOR ROSLYN MARLENE 2639 SOISSONS AVE MONTREAL QUE	M SC APP 1 RE 7 6471
SPEEVAK ALLAN ROBERT 4720 CAVENDISH BLVD MONTREAL 28 QUE	B SC 1 HU 6 0618
SPEIRS LOGAN HASTIE 3656 DUROCHER ST MTL 25 GROVE TERR HIGHGATE RD LONDON N W 5 ENGLAND	M A 1
SPEISMAN DONNA GAIL 2205 KILDARE RD TOWN OF MT ROYAL QUE	B SC 2 RE 3 9120
SPENCE ALEXANDER FLETCHER 100 ASHGROVE APT 1 PTE CLAIRE QUE	2 TCHRS 2 OX 7 2673
SPENCE DOROTHY 7094 BOYER ST MONTREAL 10 QUE	M L S 2 CR 1 6533
SPENCE ELEANOR JEAN 602 ALGONQUIN AVE MONTREAL 16 QUE	B ED PED 3 RE 3 3065
SPENCE IAN OLIVER 1441 DRUMMOND ST MTL R R 1 RIMBEY ALTA	M S W 2 VI 9 4171
SPENCER LORAINE MARGARET 1421 BISHOP ST APT 2 MTL 604 DRIVEWAY OTTAWA 1 ONT	B L S 1 VI 4 7764
SPENCER MAUREEN LOUISE LAIRD HALL 4990 WESTMORE MONTREAL 29 QUE	B ED 2
SPERLICH KLAUS WALTER 5724 MCMURRAY AVE COTE ST LUC QUE	B ENG EL 4 HU 8 4960
SPERLICH MARIANNE 5724 MCMURRAY AVE COTE ST LUC QUE	B A 2 HU 8 4960
SPERLING BARBARA EVELYN 4630 DUPUIS APT 9 MONTREAL QUE	3 TCHRS 1 RE 7 2516
SPIEGEL MARILYN 5713 WENTWORTH AVE COTE ST LUC QUE	2 TCHRS 1 HU 4 4815
SPINNER IRVING 4505 ST URBAIN ST MONTREAL 14 QUE	B ENG EL 4 VI 4 5783
SPINNER NAHUM 4505 SAINT URBAIN ST MONTREAL 14 QUE	MD CM 2 VI 4 5783
SPIRA ALEXANDER 631 DE L EPEE MONTREAL QUE	D D S 1 CR 9 8306
SPIRA IRVIN SAMUEL 631 DE L EPEE MONTREAL QUE	MD CM 1 CR 9 8306
SPIRE JEAN PAUL CHARLES 11 OAKLAND AVE WESTMOUNT QUE	B SC 1 HU 6 2382
SPIRO JOHN GEORGE 4906 QUEEN MARY RD MONTREAL QUE	M SC 1 RE 3 7063
SPOONER GUY A 548 PRINCE ARTHUR ST W RADIO HOTEL KAPUSKASING ONT	B ENG 2
SPOTTON JOHN ANSON 1441 CRESENT ST APT 8 26 PRINCETON RD TORONTO 18 ONT	B SC 4
SPRIGGS KEITH GERALD F 354 DEVONSHIRE RD GREENFIELD PARK QUE	B ENG 1 OR 1 9787
SPRINGATE PATRICIA ANN MACDONALD COLLEGE 488 BISHOP AVE STE FOY QUE	2 TCHRS 2
SPRINGER CHRISTOPHER CARL 4430 HAMPTON AVE MONTREAL 28 QUE	B SC 2 HU 1 3029
SPRITZER LOUIS LEOPOLD 3404 HINGSTON AVE APT 42 MONTREAL QUE	MUS B 3 HU 9 2019
SPROULE RAYMOND NELSON 111 EVERGREEN DR BEACONSFIELD QUE	B SC 4 OX 5 9888
SPURMANIS JANIS ALFRED 8106 ARCADIAN RD COTE ST LUC QUE	B ENG 2 HU 1 4948
SQUIRES JAMES W 3546 DUROCHER ST MTL NEW LONDON N H USA	MD CM 2 VI 5 6788
SQUIRES JESSICA ANN 3546 DUROCHER ST APT 15 MONTREAL QUE	2 TCHRS 2 VI 5 6788
SQUIRES MARY ANNE ROYAL VICTORIA COLLEGE 77 PRINCESS MARGARET ISLINGTON ONT	B ED 3 VI 2 0327
SREENATH ANANTHPUR V I C O MECHANICAL ENG DEPT FACULTY OF ENGINEERING MCGILL UNIVERSITY MONTREAL QUE	PARTIAL
ST ARNAUD GILLES 1360 LUCERNE RD TOWN OF MT ROYAL QUE	B ENG 1 RE 3 7941

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NAME ADDRESS	COURSE & YEAR TEL. NO.
ST LAURENT JACQUES J C ALLAN MEMORIAL INSTITUTE 22 PATTERSON CAMPBELLTON N B	MED DIP 2 VI 2 1251
ST ONGE ETIENNE A ST ETIENNE DES GRES CO ST MAURICE QUE	B ENG EL 5
ST PIERRE ALAN DOUGLAS 6735 CLANRANALD AVE MONTREAL QUE	B ENG 1 RE 9 4329
STABLER RALPH GORDON 370 38TH AVE LACHINE QUE	B SC 1 ME 7 1549
STACHIEWICZ EVA TERESA 83 CHESTERFIELD AVE MONTREAL QUE	PH D 3 HU 1 6674
STAHL FREDERICK ANDREW 3473 UNIVERSITY ST MONTREAL 2 QUE	B D 3 VI 9 1791
STAHLBERG EDWARD 565 ARGYLE AVE WESTMOUNT QUE	B ENG EL 4 WE 3 6396
STALL ROBERT 2120 BONIN ST ST LAURENT QUE	B A 1 RI 8 6031
STAMMER CHAIM 3559 UNIVERSITY ST APT 2 MONTREAL QUE	PH D 4
STAMMER FELICIA 3559 UNIVERSITY ST MONTREAL QUE	M S W 2
STAMOS ANTHONY EDWARD 554 ROCKLAND AVE MONTREAL 8 QUE	B ENG 1 CR 1 2814
STANCZYKOWSKI CASIMIR 5100 KING EDWARD AVE MONTREAL QUE	B COM 1
STANDISH PRISCILLA ELLEN R R 1 ROUGEMONT QUE	2 TCHRS 1
STANFIELD PAUL RUSSEL 30 CLAREMONT AVE STE CLAIRE QUE	B SC 1 OX 5 4879
STANFORD DAPHNE PATRICIA ROYAL VICTORIA COLLEGE BOX 68 R R 1 THREE RIVERS QUE	B A 1 VI 4 6762
STANGER MICHAEL ARTHUR 1031 COTE DES NEIGES MONTREAL 25 QUE	B SC 2
STANISLAWSKI MARC 1324 CUMBERLAND MONTREAL QUE	PH D 3 HU 8 2774
STANLEY JENNIFER MORTON 2225 RANDALL AVE MONTREAL 29 QUE	2 TCHRS 2 HU 4 0956
STANLEY JOANNE BEVERLEY ROYAL VICTORIA COLLEGE 1988 INGLEWOOD AVE WEST VANCOUVER B C	B A 1 VI 2 0829
STANLEY PAUL DAVID BOX 126 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 4
STANLEY SHEILA MIRIAM 6 LUCERNE AVE VALOIS QUE	2 TCHRS 2 OX 7 0484
STANWAY SANDRA MARGARETTA ROYAL VICTORIA COLLEGE 475 YONGE ST TORONTO ONT	B A 1 VI 2 0571
STANWYCK JEANNE ALICE 3647 DUROCHER ST MONTREAL QUE	B A 2 CR 6 1757
STARK HELEN ELIZABETH MACDONALD COLLEGE R R 2 SHAWVILLE QUE	3 TCHRS 1
STARKEY THOMAS ARDAGH 465 COTE ST ANTOINE WESTMOUNT QUE	B SC 2 HU 1 8454
STAROSTA IRENE 2685 GOYER APT 19 MONTREAL QUE	B A 4 RE 9 6445
STARR ARLENE BELLE 755 PUTREMONT AVE MONTREAL 8 QUE	B SC P OT 1 CR 9 3576
STASIUK JAMES 48 9TH AVE LASALLE QUE	B ENG CIV 4 DO 6 9768
STATTEN ALICE LYN 1340 ST CLARE RD TOWN OF MT ROYAL QUE	B SC P OT 2 RE 7 7362
STAUBLE GORDON HENRY WILSON HALL 38 ELLERSLIE PARK MARAVAL TRINIDAD W I	B ENG 1
STEAD MARGARET KATHERINE 17 RENE PHILIPPE APT 5 VILLE LE MOYNE QUE	GRAD DIP 1 OR 1 2405
STEAD PATRICIA E ROYAL VICTORIA COLLEGE 250 PETER ST PORT ARTHUR ONT	B SC P OT 2 VI 2 0571
STEBER GEORGE 3473 GREY AVE MONTREAL QUE	M ARCH 1 HU 6 9981
STECHER GEORGE 3449 PEEL ST MONTREAL QUE	B L S 1 VI 4 0722
STECK SHARON HONNIE LAIRD HALL 2135 VINCENT ST ST LAURENT QUE	3 TCHRS 1
STEED GUY PERCY FREDERICK 14 NORTHCOTE RD MTL WHITE LODGE BRIZAY PARK SINGAPORE 12	B A 4 HU 6 6093
STEELE CHARLES HEDLEY R 42131 9TH ST L ABORD A PLOUFFE QUE	B ENG 2
STEELE IDA PAULINE 3220 RIDGEWOOD AVE APT 106 MTL SOUTHAMPTON ONT	GRAD DIP 1
STEELE RAYMOND BRENT 8661 BASSWOOD AVE APT 4 MONTREAL QUE	B ENG 2
STEELE ROBERT SCOTT 1429 STANLEY ST 646 ALWICK AVE W ISLIP N Y USA	B A 1
STEELE VLADISLAVA JULIE 1500 STANLEY ST APT 1027 8940 LUMSDEN ST MONTREAL 11 QUE	PH D 3 VI 4 8506
STEEN DOUGLAS GEORGE DOUGLAS HALL 503 LEWIN PARK LANCASTER N B	B ARCH 2
STEER BEVERLEY RUTH 146 53RD AVE LACHINE QUE	B ED 2 ME 7 8819
STEFANI FERENC P O BOX 157 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
STEFH CHARLES T 4090 ROYAL AVE MTL BOX 118 HILLER PA USA	D D S 3 HU 1 1156
STEIN ALAN MARTIN 5042 PONSARD AVE MONTREAL QUE	B C L 3
STEIN BENJAMIN 2860 DARLINGTON PL APT 15 MONTREAL QUE	M S W 2 RE 3 1614
STEIN BORIS 3528 LORNE AVE APT 2 MONTREAL QUE	M S W 2 AV 8 7590
STEIN BORIS PETER 4230 MELROSE AVE MONTREAL QUE	B COM 1 HU 6 2455
STEIN JUDITH PEARL 60 GRANVILLE RD HAMPSTEAD QUE	B SC 2 HU 4 7410
STEIN LAWRENCE ALLAN 4662 KENT AVE MONTREAL QUE	B SC 1 RE 3 9227
STEIN LILIAN 3025 CEDAR AVE MONTREAL 25 QUE	B A 1 WE 5 4147
STEIN MARTHA LINDA 4495 CIRCLE RD MONTREAL QUE	B A 2 HU 1 3192
STEIN MICHAEL BERNARD 5042 PONSARD AVE MONTREAL 29 QUE	B A 4 HU 6 9415
STEIN VICTOR 5714 MCMURRAY AVE MONTREAL 29 QUE	B SC 1 HU 6 4279
STEINBERG BLEMA S 5678 MACDONALD AVE HAMPSTEAD QUE	PH D 5 HU 1 6976
STEINBERG DONALD 4832 MACKENZIE ST MONTREAL QUE	B COM 1 RE 8 5361
STEINBERG ELEANOR S 4890 MIRA RD MONTREAL QUE	B A 3
STEINBERG FAIGIE 4000 BOUCHETTE MONTREAL QUE	B A 1 RE 1 2197
STEINBERG HYMAN LEONARD 4832 MACKENZIE AVE MONTREAL QUE	B SC 3 RE 8 5361
STEINBERG JUNE SANDRA 5177 WESTBURY AVE MONTREAL 29 QUE	M SC APP 1 RE 7 3855
STEINBERG MARK 4890 MIRA RD MONTREAL QUE	B SC 1 HU 6 4155
STEINBERG SUSAN MAXINE 13 ST GEORGE ST STE ANNE DE BELLEVUE QUE 3131 VAN HORNE AVE MONTREAL 26 QUE	2 TCHRS 1 GL 3 2533
STEINER HAROLD AUSTIN 1401 CANORA RD MONTREAL 16 QUE	M SC 2 RE 9 4942
STEINER JACK 4079 CLARKE ST MONTREAL QUE	B ENG 1 AV 8 7561
STEINHOUSE JOYCE ELAINE 3905 PLAMONDON AVE APT 8 MONTREAL QUE	B A 3 RE 7 8778
STEINMAN ANNA 5562 RANDALL AVE COTE ST LUC QUE	3 TCHRS 1 HU 4 6675
STEINMAN DORIS GOLDA 4089 CITY HALL AVE MONTREAL QUE	B A 1 VI 4 6207
STEINMAN RALPH MARVIN 151 DUFFERIN RD MTL 1427 PORTLAND AVE SHERBROOKE QUE	B SC 2 HU 8 4182
STEINMETZ KARIN BIRGITTA 144 LARCH DR BEACONSFIELD QUE	H S D DIP 1 OX 7 2430
STEINMETZ NICOLAS 144 LARCH DR APT 12 BEACONSFIELD C O MR O LINDSTROM CRESCENT AVE HUDSON HEIGHTS QUE	MD CM 2 OX 7 2430
STELCNER MORTON 780 DE L EPEE AVE APT 3 OUTREMONT QUE	B COM 1 CR 9 5669
STEPHENS DENNIS NOYE H 3490 HUTCHISON ST MTL KINGSTON JAMAICA WEST INDIES	B SC 2
STEPHENS MADELEINE E MACDONALD COLLEGE P O BOX 198 BROWNSBURG QUE	HDICRAFTS 1
STEPHENS PETER JOHN T 4403 GIROUARD AVE MONTREAL QUE	B SC 4 HU 9 4123
STEPHENS SIDNEY ALLAN 34 MERTON CRES HAMPSTEAD QUE	B ENG MCH 4 HU 6 9008
STEPHENSON MARGARET G 4 PARKMAN PL WSTMT 111 ORANGE ST ST JOHN N B	GRAD DIP 1 HU 9 3086
STEPHENSON MARTIN GUY FRIENDLY GREEN COWDEN KENT ENGLAND	B A 1
STERK DE BURGER OLGA 3702 MOUNTAIN ST MONTREAL QUE	PARTIAL AV 8 1383
STERLIN CARLO 3803 ST HUBERT ST APT 6 MONTREAL QUE	MED DIP 2 LA 2 0604
STERN ANTONY M 4687 WESTMOUNT AVE MONTREAL QUE	MD CM 3 HU 9 5445
STERN JUSTINE A 3238 THE BOULEVARD WESTMOUNT QUE	B A 1 WE 5 5856
STERNLIEB CHARLOTTE RUTH ROYAL VICTORIA COLLEGE 720 ST LOUIS RD QUEBEC QUE	B SC 1 VI 2 0898
STERNTHAL EDWARD 65 PAGNUELO AVE OUTREMONT QUE	MD CM 1 CR 9 3507
STERNTHAL HARVEY 4806 MELROSE MONTREAL QUE	B A 1 HU 6 3679
STERNTHAL MICHAEL H 5585 STIRLING AVE MONTREAL QUE	B ARCH 2 RE 8 4372
STEVENS AGNES ROBINA 4006 MARLOWE AVE MONTREAL 28 QUE	B L S 1 HU 1 6804
STEVENS CHARLOTTE NANCY I 4006 MARLOWE AVE MONTREAL 28 QUE	B A 1 HU 1 6804
STEVENS DONNA CLARE ROYAL VICTORIA COLLEGE BOX 636 STETTLER ALBERTA	B A 3 VI 9 0120

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NAME ADDRESS	COURSE & YEAR TEL. NO.
STEVENS MICHAEL SUZANNE 2017 GREY AVE MONTREAL 28 QUE	B SC P OT 1 HU 6 2796
STEVENSON IAN GARTH 4022 OXFORD AVE MONTREAL QUE	B A 2 HU 4 0833
STEVENSON LAURA ALICE ROYAL VICTORIA COLLEGE 49 SHERWOOD RD PICKERING ONT	B A 1 VI 2 0597
STEVENSON PETER WAYNE 536 SHERBROOKE ST W MTL C O MACASSA MINES LTD KIRKLAND LAKE ONT	B ENG 2 VI 9 0049
STEVENSON ROBERT WALTER 530 MOUNT PLEASANT AVE MONTREAL 6 QUE	B D 3 WE 2 7577
STEVENSON STELLA C MACDONALD COLLEGE BISHOPTON QUE	B SC H EC 2
STEVENSON STEPHANIE LEE ROYAL VICTORIA COLLEGE 442 GROSVENOR ST LONDON ONT	B A 3 VI 2 0526
STEVENSON VALDINE E 1441 DRUMMOND ST MTL P O BOX 504 SCHEFFERVILLE QUE	GRAD DIP 1
STEWART ANN KATHLEEN STEWART HALL 41 PACIFIC AVE SENNEVILLE QUE	B ED 2
STEWART DAVID RADMORE 3508 UNIVERSITY ST 1319 WELLINGTON ST OTTAWA ONT	B D 3 VI 5 4873
STEWART GEOFFREY EDWARD MACDONALD COLLEGE 40 BURTON RD ASHBY DE LA ZOUCH LEICESTERSHIRE ENGLAND	B SC AGR 4
STEWART HUGH D 3484 DUROCHER ST APT 204 8 8 KEBLE RD OXFORD ENGLAND	B A 4
STEWART MARION ELIZABETH 8 RENNIE AVE MONTREAL WEST QUE	B SC H EC 1 HU 1 4210
STEWART MILDRED OPAL MACDONALD COLLEGE R R 1 SHAWVILLE QUE	3 TCHRS 1
STEWART PAMELA DAWES 1519 PINE AVE W MONTREAL QUE	M A 2 WE 2 7919
STEWART PATRICIA DOREEN MACDONALD COLLEGE BOX 84 GASPE QUE	3 TCHRS 1
STEWART VIVIEN FRANCES 41 PACIFIC AVE SENNEVILLE QUE	GRAD QUAL 1 GL 3 2942
STIBBARDS GORDON HERBURT 3583 DUROCHER ST APT 4 101 WELLINGTON ST BRANTFORD ONT	B ENG 2
STIKEMAN VIRGINIA HEWARD 48 ABERDEEN AVE WESTMOUNT QUE	B A 2 WE 5 9300
STILLMAN FOWLER MCCORMICK 3466 SHUTER MTL 145 JACARAUDA BROWNSVILLE TEXAS USA	MD CM 1

NAME ADDRESS	COURSE & YEAR TEL. NO.
STILMAN RUTH 4790 ROSLYN AVE MONTREAL 29 QUE	PARTIAL HU 8 5652
STINNES MATHIAS 180 BEVERLEY AVE MONTREAL 16 QUE	B ENG CH 3 RE 7 3258
STIRZAKER COLIN VICTOR 4138 DORCHESTER ST W MTL 718 ANDERSON AVE S PORT ALBERNI B C	D D S 3 WE 5 9215
STOCKLESS LYNNE ANNE S MACDONALD COLLEGE 7390 MOUNT AVE MONTREAL 16 QUE	2 TCHRS 1
STOCKWELL HENRY PERKINS 3660 LORNE CRES MTL 594 DRIVEWAY OTTAWA ONT	MD CM 4 VI 4 8469
STOLAR STANLEY HAROLD 6030 COTE ST LUC RD APT 109 MONTREAL 29 QUE	MED DIP 2 HU 8 4035
STOLIAR FRANCES EDNA 974 DAVAAR APT 3 OUTREMONT QUE	B SC 3 CR 3 1385
STOLLAR HYMIE 5578 W VERLEY ST MONTRE L 14 QUE	B SC 2 CR 2 6734
STOLLAR MAX 5578 WAVERLEY ST MONTREAL QUE	B ENG MCH 4 CR 2 6734
STOLOVITCH HAROLD DEBERT 1015 CREVIER ST VILLE ST LAURENT QUE	B ED 4 RI 8 7515
STONE EARL MURRAY 5590 LEGARE APT 7 MONTREAL QUE	MED DI 2 RE 9 5631
STONE HEATHER ALEXANDRA 4545 TRENHOLME AVE MONTREAL QUE	B A 2 HU 6 3935
STONE SHEILA MCLEOD 4545 TRENHOLME AVE MONTREAL QUE	B A 4 HU 6 3935
STONEHEWER JOHN 12 KARIN AVE PTE CLAIRE QUE	M ENG 2 OX 7 3947
STONES SIMON MICHAEL DOUGLAS HALL PAGET PHARMACY MIDDLE ROAD PAGET BERMUDA	B SC 2 VI 4 0977
STOPPS RALPH GILBERT 681 ALLARD AVE VERDUN QUE	B ENG 1 PO 8 1564
STOREY CHRISTIAN GERVASE WILSON HALL C O TEXACO TRINIDAD INC POINTE A PIERRE TRINIDAD W I	B SC 2 VI 4 0624
STOREY GAIL SUSAN 4519 MAYFAIR AVE MONTREAL QUE	B SC 1 HU 1 5423
STOSKOPF NEAL CHARLES BOX 53 MACDONALD COLLEGE R R 2 MITCHELL ONT	PH D 2
STOTLAND LILLIAN MARLENE 40 ROXBOROUGH AVE MONTREAL 6 QUE	B SC 1 HU 1 6587
STOTLAND MERLE ESTHER 4643 COTE ST CATHERINE MONTREAL QUE	B SC P OT 1 RE 8 2112
STOTT JOHN DAVID 4740 ST JOSEPH ST APT 21 LACHINE QUE	B SC 4

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NAME ADDRESS	COURSE & YEAR TEL. NO.
STOUT GLORIA ANNE MACDONALD COLLEGE BATHURST N B	2 TCHRS 2
STOVEL JOSEPH BRUCE 494 WOOD AVE WESTMOUNT QUE	B A 2 WE 7 1225
STRACEY JOHN SIMON 1002 MACNAUGHTON RD TOWN OF MT ROYAL QUE	B ENG CIV 4 RE 8 0347
STRACHAN RICHARD A MACDONALD COLLEGE THE LAKES CLIFTON BEDS ENGLAND	B SC AGR 4
STRAKA WALLAW WLADYSLAW 4000 BOUCHETTE APT 5 MONTREAL QUE	PH D 2
STRAKER NORMAN L 373 LAZARD AVE TOWN OF MT ROYAL QUE	B A 3 RE 7 3541
STRANGE MARILYN JEANNE MACDONALD COLLEGE 610 DESAULNIERS BLVD ST LAMBERT QUE	2 TCHRS 1
STRASBERG LEWIS 419 PRINCE ARTHUR W MTL 66 CASCADE RD CASCADE ST ANNS TRINIDAD W I	B ENG 1
STRASBERG ZENO 419 PRINCE ARTHUR ST W 66 CASCADE RD ST ANNS TRINIDAD W I	MD CM 1 VI 9 3364
STRATHDEE GRAEME GILROY 4948 TRENHOLME AVE MONTREAL 29 QUE	B SC 2 HU 1 5768
STRAUSS ERNST HERMANN H 3579 HUTCHISON MONTREAL 18 QUE	B A 2 VI 5 3563
STRAUSS HAROLD CARL 5575 KING EDWARD AVE COTE ST LUC QUE	MD CM 1 HU 4 7054
STRICKS JOHN DOUGLAS HALL 21 STODDARD PL BROOKLYN 25 NEW YORK USA	B SC 2
STROM BARBARA ALEXANDRA STEWART HALL R R 4 GRANBY QUE	P E DIP 2 GL 3 1859
STROM MARGERY VICTORIA MTL GENERAL HOSPITAL R R 4 GRANBY QUE	GRAD DIP 1 WE 7 6011
STROMANIS EVA ROYAL VICTORIA COLLEGE 272 MANVILLE AVE E ASBESTOS QUE	B SC 2 VI 2 0495
STROMBERG DAVID 5814 CLANRANALD MONTREAL QUE	B COM 4 RE 3 0408
STROMBERG EDWARD ROBERT MACDONALD COLLEGE 1441 104TH ST NORTH BATTLEFORD SASK	B SC AGR 2
STRONACH HEATHER ANNE 233 LAKESHORE RD PTE CLAIRE QUE	B A 1 OX 5 5637
STROTHER PETER RICHARD A 8 COOLBREEZE AVE PTE CLAIRE QUE	B ARCH 2 OX 5 5119
STRUBBE PATRICIA J 1000 LAPOINTE ST VILLE ST LAURENT QUE	B SC 3 FE 4 8227
STRUTT CHESLYN GORDON MACDONALD COLLEGE SHAWVILLE QUE	3 TCHRS 1
STUART DAVID BRUCE 2215 DOVER RD TOWN OF MT ROYAL QUE	B SC 2 RE 9 1158
STUART HEATHER ELIZABETH ROYAL VICTORIA COLLEGE 2023 RIVERSIDE DR RIVERSIDE ONT	B A 2 VI 2 0113
STUART JEAN LOUISE 880 52ND AVE LACHINE QUE	B ED 2 ME 7 4918
STUART ROBERT A 2215 DOVER RD TOWN OF MT ROYAL QUE	B SC 2 RE 9 1158
STUART WILCOX 3512 DUROCHER ST APT 310 MONTREAL QUE	B A 3 VI 9 4366
STURMAN MICHAEL WILLIAM 4990 POWELL AVE MONTREAL QUE	B SC 1 RE 9 5122
STUTMAN MARVIN 4810 ISABELLA AVE MONTREAL QUE	B SC 2 RE 7 8419
SUE WAI KWONG DAVID 3473 UNIVERSITY ST MTL 144 150 THIRD ST SAIYINGPUN HONG KONG	B SC 3 VI 9 1791
SUFI SOHAN SINGH 2075 BISHOP ST RM 8 MONTREAL 2 QUE	B ENG CH 4 VI 2 0134
SUGA HARUSI TY 11 ST LUC ST LAVAL DES RAPIDES QUE	B SC 3 MO 9 7010
SUH CHUNG KUEE 4840 MAPLEWOOD AVE APT 4 MONTREAL 26 QUE	MED DIP 2 RE 9 9328
SUHERMAN EEN 3677 PEEL ST APT 4 MTL DJALAN MANGGARAI SELATAN IX 39 DJAKARTA INDONESIA	M C L 1 VI 5 8513
SULLIVAN DANIEL JOSEPH 4384 MARCIL AVE MONTREAL QUE	B C L 3 HU 4 3243
SULLIVAN HERMAN ANDREW ROYAL VICTORIA HOSPITAL 60 MECKLENBURG ST ST JOHN N B	MED DIP 1 VI 2 1251
SULLIVAN JAMES D 4384 MARCIL AVE MONTREAL QUE	MD CM 3 HU 4 3243
SULLIVAN JOHN P O DOUGLAS HALL 1036 TYLER ST WENATCHEE WASH USA	MD CM 3 VI 5 3728
SULLIVAN MARY FLORENCE P MACDONALD COLLEGE SHIGAWAKE EAST BONA CO QUE	3 TCHRS 1
SULLIVAN WALTER BERNARD 3545 UNIVERSITY ST MTL 140 MEADOW DR ROCHESTER 18 N Y USA	MD CM 1 VI 9 4610
SULLOVEY MONA LOUISE MACDONALD COLLEGE 4654 HINGSTON AVE MONTREAL QUE	2 TCHRS 1
SUMBULIAN HAYKAZUN 3459 DRUMMOND ST APT 32 IMM FARRA RUE RIAD SOLH BEYROUTH LEBANON	M C L 1 VI 4 0653
SUMMERBY JOHN HALL 49 PACIFIC AVE SENNEVILLE QUE	MED DIP 4 GL 3 1210

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SUMMERS PETER WILLIAM 4255 DUPUIS AVE APT 19 MONTREAL 26 QUE	PH D 2 RE 9 6708
SUMNER DARLENE MARY 185 MARINA CIRCLE PTE CLAIRE QUE	B SC 3 OX 5 6022
SUN WAN CHING 3471 SHUTER ST APT 7 MTL 19 AUSTIN AVE 2ND FL KOWLOON HONG KONG	B SC 2
SUN YUK LUN KINGSLEY 3471 SHUTER ST APT 7 MTL 19 AUSTIN AVE 2ND FL HONG KONG	B SC 4
SUPERSTEIN HOWARD RONOLD 5133 ST URBAIN ST MONTREAL QUE	B COM 4 CR 2 0792
SUREK TOM 2800 DARLINGTON PL MONTREAL 26 QUE	B ENG 1 RE 9 5426
SURMAN OWEN STANLEY 3483 PEEL ST MTL 58 CRAIG ST MILTON 86 MASS USA	B SC 1 VI 2 0882
SUSSER NORMA LAIRD HALL 5766 GLENARDEN COTE ST LUC QUE	B SC AGR 2
SUTHERLAND CHRISTINA M MACDONALD COLLEGE 1617 FAYOLLE AVE VERDUN QUE	2 TCHRS 1
SUTHERLAND ROBERT BRUCE 429 PRINCE ARTHUR W MTL 4 REBECCA ST FLORIDA TRANSVAAL S AFRICA	M ENG 2 VI 9 1016
SUTHERLAND SHEANA S 193 MONTENACH ST LONGUEUIL QUE	B A 3 OR 7 1742
SUTTON GERALDINE FRANCES MACDONALD COLLEGE 11 LAMBTON ST ORMSTOWN QUE	2 TCHRS 1
SUTTON PETER KENNETH ORMSTOWN QUE	B COM 1
SUZUKI JOHN MACGREGOR 120 SHERBROOKE ST W APT 19 MTL 8 RATHNELLY AVE TORONTO ONT	B SC 3 VI 5 2600
SVAMI NIGEL 5280 DUDEMAINE ST APT 5 MONTREAL 9 QUE	B A 2 FE 4 8547
SVANOE ANDREA HOOKER 3563 UNIVERSITY ST MTL 1261 MADISON AVE NEW YORK 28 N Y USA	MD CM 1
SVISTUNENKO JURIS 2384 BEACONSFIELD APT 14 MONTREAL 28 QUE	B ENG CIV 5 HU 9 8341
SWALES DAVID WILLIAM 3660 LORNE CRES APT 21 19 PERRAULT AVE STE ANNE DE BELLEVUE QUE	MD CM 4 VI 4 8169
SWAN JOHN MAWER F DOUGLAS HALL 2 ASTRA FLATS BISHOP CARUANA ST MSIDA MALTA	B COM 1
SWANNACK STANLEY DAVID MACDONALD COLLEGE 186 DE BELLEFEVILLE ST EUSTACHE QUE	3 TCHRS 1
SWATLAND RUTH ENID 3455 HUTCHISON ST MTL 63 KINGSTON ROW WINNIPEG 8 MAN	M S W 2
SWEETING SIDNEY THEODORE 7025 FIELDING AVE APT 10 MONTREAL QUE	D D S 2 HU 1 8387
SWETT PETER KITTREDGE 2028 VICTORIA ST APT 8 896 LONGMEADOW ST LONGMEADOW MASS USA	B SC 1
SWIFT JOHN ARTHUR A 1005 VANIER ST ST LAURENT QUE	E C L 3 RI 7 9445
SWIFT ROBERT CHARLES 466 STRATHCONA AVE WESTMOUNT QUE	B ENG 2 WE 7 4378
SWIRSKY LILLIAN 363 OLIVIER AVE MTL 4120 ISABELLA AVE MONTREAL QUE	B SC 4 WE 2 0762
SWITZER HELEN ANNE ROYAL VICTORIA COLLEGE SEVEN ISLAND QUE	B SC N 2 VI 2 0495
SYLVAIN GERARD 2620 FRONTENAC MTL ROMA BASUTOLAND S AFRICA	M A 2 LA 3 3131
SYMANSKY ADAM 763 QUERBES AVE OUTREMONT QUE	B SC 2 CR 7 4879
SYME THOMAS DOUGLAS 189 CURZON AVE ST LAMBERT QUE	B ENG EL 4 OR 1 3569
SYMES ASTON LLOYD BRITTAIN HALL 12 ST JOSEPH AVE KINGSTON 3 JAMAICA W I	B SC AGR 4 GL 3 1828
SYMONDS DONALD 1597 STEPHENS AVE VERDUN QUE	B ENG 1 PO 6 3084
SYMONENKO WALTER 266 JEANNETTE ST VILLE LEMOYNE QUE	B COM 2 OR 1 0930
SYMONS MICHAEL WINDSOR MACDONALD COLLEGE 557 QUEEN ELIZABETH RD GREENDALE SALISBURY SOUTHERN RHODESIA	B SC AGR 3
SYROPOULOS VOULA 1472 BISHOP APT 3 MONTREAL QUE	L MUS 3 VI 5 0719
SZALAY PAUL JOSEPH 3563 UNIVERSITY ST APT 33 MONTREAL QUE	PH D 4 AV 8 7744
SZARKA PETER ZOLTAN 4386 MONTROSE AVE WESTMOUNT QUE	D D S 1 WE 3 5435
SZEBIK SHIRLEY RUTH 5336 COOLBROOK AVE MONTREAL 29 QUE	B SC 3 HU 1 8854
SZEGO PETER 3800 ST KEVIN ST APT 4 MONTREAL QUE	B SC 4 RE 9 2513
SZETO LAWRENCE KWOK LAU 3438 DUROCHER MTL 20 CONNAUGHT RD W HONG KONG	B ARCH 4
SZIGETI MARIANNE 1245 LAJOIE AVE APT 6 MONTREAL QUE	B SC 1 CR 2 6720
SZMIDT ROMAN 6490 MCLYNN AVE MONTREAL 29 QUE	B SC 1 RE 1 0587

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NAME ADDRESS	COURSE & YEAR TEL. NO.
SZOKE THOMAS ATTILA 4850 QUEEN MARY RD APT 14 MONTREAL QUE	B SC 1 RE 3 0639
SZPETGANG PAULETTE 4525 PARK AVE MONTREAL QUE	M SC 1 VI 2 2820
SZUSZKOWSKI SOPHIE 5256 BOURBONNIERE AVE MONTREAL QUE	B A 4 RA 1 0125

T

TABAC STEVEN TERRY 5491 VAN HORNE AVE MONTREAL QUE	B COM 2 RE 7 6764
TABAH FREDERICK ROBERT 411 KINDERSLEY AVE TOWN OF MT ROYAL QUE	B SC 1 RE 8 5113
TABAKMAN PAUL 4027 DE LA PELTRIE MONTREAL QUE	B SC 3 RE 8 5344
TAFLER SAMUEL DAVID 1902 CLINTON AVE MONTREAL 8 QUE	B A 1
TAGUCHI KENNETH KATSUJI 5954 24TH AVE MONTREAL 36 QUE	B SC MDCM 1 RA 1 4580
TAHT REIN 2178 MARCIL AVE MONTREAL 28 QUE	B ENG CIV 3 HU 9 4348
TAIT GEORGE RODNEY 148 VICTORIA AVE LONGUEUIL QUE	B ENG EL 5 OR 4 9731
TAIT PAMELA JEAN 623 MURRAY HILL WESTMOUNT QUE	B SC 2 HU 6 5389
TAIT SANDRA ELIZABETH ROYAL VICTORIA COLLEGE P O BOX 425 PORT CARTIER QUE	B SC 4 VI 2 0265
TAIT TERRY NORMAN MACDONALD COLLEGE R R 1 BOX 42 GASPE QUE	2 TCHRS 2
TAITT PETER STEWART 3501 LORNE AVE MTL BROXTON HOUSE CHILBOLTON NR STOCKBRIDGE HANTS U K	B A 3 VI 4 5643
TAKACS FRANK PAUL 3745 DUPUIS AVE MONTREAL QUE	GRAD QUAL 1 RE 7 5460
TAKAHASHI NORMAN SHOJI 208 JACQUES CARTIER ST FARNHAM QUE	B SC 4
TAKAMOTO ROBERT M M A 1345 MOKU PL HONOLULU 14 T H	MD CM 3
TALIANA CLAUDE 8271 CURE CLERMONT AVE VILLE D ANJOU QUE	B ENG EL 4 CL 5 1584
TALIANA GERALD 2010 BELANGER ST MONTREAL QUE	B ENG 2
TALLON HENRY MICHAEL 4617 COOLBROOK AVE MONTREAL QUE	B SC 1 HU 4 5019
TALMANIS ANDRIS BRITTAIN HALL 3249 BELLECHASSE ST MONTREAL QUE	B ED 2
TALPIS JEFFREY A MONTREAL QUE	B A 3
TAM CHRISTOPHER KWONG W 525 PRINCE ARTHUR W APT 3 MTL 41 CATCHICK ST HONG KONG	B ENG AM 4 VI 4 0017
TAM JIN HUNG 3577 SHUTER ST MTL 68 MARBLE RD 1ST FL HONG KONG	B SC 1
TAM KWING YIU 3552 SHUTER ST APT 6 MTL 469 MARIE ANNE ST E MONTREAL QUE	B ARCH 3
TAM ROBERT CHI FAN 3538 HUTCHISON APT 6 MTL 3A BELCHER GARDENS POKFULUM RD HONG KONG	B SC 2 VI 9 0611
TAMOLIUNAS CASIMIR 51 FORBES ST AMSTERDAM N Y USA	B ENG EL 3
TAN AH TI CHUN HION J S 621 MILTON ST MTL 1286 ALVARADO EXT MANILA PHILIPPINES	M SC 1 VI 4 5306
TAN BIAN KIM 3567 DUROCHER ST APT 23 MONTREAL QUE	MED DIP 4 AV 8 2056
TAN FRANCIS TON HIAN 525 PRINCE ARTHUR APT 2 238 FA YUEN ST 2ND FL KOWLOON HONG KONG	B ENG MCH 4
TANAKA EMIKO EMILY AMY 4869 WESTMORE MONTREAL QUE	B ED 4 HU 6 9111
TANAKA FUJIO 4869 WESTMORE AVE MONTREAL QUE	B ENG MCH 5
TANAKA NORRIS RAY 5614 DAVIES AVE COTE ST LUC QUE	B ENG 1 HU 8 4587
TANAKA REIKO PAULINE 4869 WESTMORE AVE MONTREAL QUE	B A 2 HU 6 9111
TANCELIN MAURICE ANDRE 2125 BLEURY ST MTL 30 ALLEE CLEMENCET LE RAINCY SETO FRANCE	L L M 1 AV 8 9819
TANENBAUM HOWARD LEON 834 MCEACHRAN AVE OUTREMONT QUE	MD CM 4 CR 7 7439
TANG SAV YAN SIMON 3455 HUTCHISON APT 606 FLAT A FAIRVIEW MANSION 5TH FL PATERSON ST CAUSEWAY BAY HONG KONG	B ARCH 3
TANGUAY PIERRE ALFRED 34 ST LOUIS AVE PTE CLAIRE QUE	B ENG 1 OX 5 9880
TANNAHILL CHRISTENA ANN MACDONALD COLLEGE HUNTINGDON QUE	2 TCHRS 1
TANTON CONSTANCE ANNE STEWART HALL 87 RUSSELL ST HALIFAX N S	B SC H EC 1
TANZMAN SANDRA LANE ROYAL VICTORIA COLLEGE 617 SAND COVE RD LANCASTER N B	B SC 2 VI 2 0495
TARABY RICHARD NICHOLAS 1825 LAIRD BLVD TOWN OF MT ROYAL QUE	B SC 1 RE 7 6609
TARANDI MAI 5204 TRENHOLME AVE MONTREAL 29 QUE	B A 2 HU 4 3944
TARASOFSKY ABRAHAM 5575 VICTORIA AVE APT 8 MONTREAL QUE	M A 2 RE 3 2364

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NAME ADDRESS	COURSE & YEAR TEL. NO.
TARASOFSKY JOSEPH 6040 HUTCHISON ST OUTREMONT QUE	B ENG MCH 4 CR 9 9100
TARCZAY GEZA BELA 3615 LORNE CRES APT 3 MONTREAL QUE	B ENG CIV 4 VI 4 4796
TARCZAY SZABOLCS LASZLO 3615 LORNE CRES APT 3 MONTREAL QUE	B ENG EL 5 VI 4 4796
TARDER MORTY MELVIN 5530 VICTORIA AVE APT 14 MONTREAL QUE	B ARCH 6 RE 3 1251
TARI ALBERT IBRAHIM 2022 NORMAN ST ST LAURENT QUE	B ENG EL 4 FE 4 8629
TARI YUSEF 2022 NORMAN ST LAURENT QUE	B ENG EL 5 FE 4 8629
TARLO ANTHONY PAUL 4181 HINGSTON AVE MONTREAL 28 QUE	B ENG 1 HU 1 1621
TARNOVECKY JOSEPH 164 ST CHARLES ST DORION VAUDREUIL QUE	PH D 1 BE 4 3743
TARR DAVID ALAN 252 SIMCOE AVE MONTREAL 16 QUE	B A 4 RE 7 7581
TARTIER LEON MARIE FELIK 29 ST PIERRE STE ANNE DE BELLEVUE QUE 26 ST LOUIS ST JEROME QUE	M SC 1 GL 3 6320
TARUM GERALD SIDNEY 6470 MONKLAND AVE APT 21 MONTREAL QUE	B ENG 2 HU 9 0159
TATE ROBERT WILSON 690 SHERBROOKE ST W MTL 177 UNION BLVD ST LAMBERT QUE	B A 4 VI 2 1958
TATONE GLORIA ANNA 1930 SURREY CRES TOWN OF MT ROYAL QUE	GRAD DIP 1 RE 7 6768
TAUB JUDY NITA 4665 VEZINA ST MONTREAL QUE	B SC P OT 1 RE 3 9788
TAUB MICHAEL IRWIN 4300 WESTERN AVE APT 701 WESTMOUNT QUE	B COM 4 WE 4 1435
TAUSKY THOMAS EDWARD WILSON HALL 1 GIBSON AVE GRIMSBY ONT	B A 2 VI 4 0624
TAVARES STAFFORD E WILSON HALL 5 BROMPTON RD KINGSTON 5 JAMAICA W I	B ENG EL 4 VI 4 0624
TAYLOR ALFRED EDWARD H MACDONALD COLLEGE BOX 1048 KEMPLVILLE ONT	B SC AGR 1
TAYLOR ALLEN LEVORE 3609 UNIVERSITY ST MTL 1212 18TH ST N W CALGARY ALTA	PH D 3 AV 8 6307
TAYLOR BEATRICE ELIZABETH 5190 ST JOSEPH ST LACHINE QUE	B SC 1 ME 7 1398
TAYLOR BRENDA ANN 880 ST AUBIN ST ST LAURENT QUE	B L S 1 RI 7 1739
TAYLOR CHRISTOPHER THOMAS 290 PRINCE ARTHUR ST W MONTREAL 18 QUE	M A 1 VI 5 7817
TAYLOR DAVID DENNISON 384 HICKSON AVE ST LAMBERT QUE	B ENG 1 OR 1 6635
TAYLOR DONALD 60 46TH AVE LACHINE QUE	B ENG 2 ME 7 0502
TAYLOR FRANCES JANE 93 ST LOUIS AVE BEAUREPAIRE QUE	B L S 1 OX 5 4658
TAYLOR FRANCIS ALBERT 3858 LASALLE BLVD VERDUN 19 QUE	B ENG EL 4 PO 6 0674
TAYLOR GLENN H 1534 PINE AVE MTL 316 PROSPECT ST RIDGEWOOD N J USA	B ENG 2 VI 4 7142
TAYLOR HELEN DORIS 2364 CLIFTON AVE MONTREAL 28 QUE	GRAD DIP 1 HU 6 9475
TAYLOR JAMES MATTHEW 3605 UNIVERSITY ST MTL 420 STONE ST GANANOQUE ONT	B SC 3 AV 8 0643
TAYLOR JEAN ELIZABETH ROYAL VICTORIA COLLEGE 623 MAIN ST LACHUTE QUE	B SC 3 VI 9 0120
TAYLOR JULIA PATRICIA 1584 ST JOSEPH BLVD E MONTREAL QUE	GRAD DIP 1 LA 2 9669
TAYLOR KENNETH JOHN BRITTAIN HALL 5499 11TH AVE MONTREAL 36 QUE	2 TCHRS 1
TAYLOR LAUGHLIN BARKER 772G BORD DE L EAU STE DOROTHEE QUE	M SC 2
TAYLOR MICHAEL CHRISTIE 60 BALFOUR AVE TOWN OF MT ROYAL QUE	B A 2 RE 7 8937
TAYLOR MICHAEL LAWRENCE 574 DULWICH AVE ST LAMBERT QUE	B SC 4 OR 1 5436
TAYLOR RODNEY BERNARD 65 LAKEWOOD ST EUSTACHE SUR LE LAC QUEBEC	B SC 2 GR 3 3576
TAYLOR SANDRA JEAN ANNE 4555 PATRICIA AVE MONTREAL 28 QUE	2 TCHRS 1 HU 4 9112
TAYLOR WILLIAM P 649 MILTON ST 825 DURHAM AVE S W CALGARY ALTA	B COM 4 VI 5 0734
TEASDALE PIERRE LORRAIN 5646 WOODBURY MONTREAL QUE	B ARCH 2 RE 7 4192
TECTOR DAVID JOHN G DOUGLAS HALL 112 ST FRANCIS ST LENNOXVILLE QUE	MD CM 1
TECTOR MARGARET ANNE 3565 LORNE AVE MONTREAL 18 QUE	M SC 3 VI 9 6716
TEDFORD ROBERT CLELAND 3485 MCTAVISH APT 23 MTL NORWOOD ONT	B COM 2 VI 9 0141
TEES RICHARD CHISHOLM 33 RENFREW AVE WESTMOUNT QUE	B A 4 HU 1 6479

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NAME ADDRESS	COURSE & YEAR TEL. NO.
TEICHERT MARTIN JOHANNES 4315 MELROSE AVE MONTREAL QUE	GRAD QUAL 1 HU 2 8240
TEITELBAUM HERMAN 523 PINE AVE W MONTREAL 18 QUE	PH D 3 VI 3 5756
TEJADA LOUIS GEORGE HENRY 3434 MCTAVISH ST MTL SAN FCO DE MACORIS DOMINICAN REPUBLIC	B ENG MI 4 VI 2 4492
TELFORD GEORGE MALCOLM 3565 DUROCHER ST APT 17 MONTREAL 18 QUE	B SC 4
TELFORD LAURIE ELIZABETH 3427 HARVARD AVE MONTREAL QUE	B SC N 1 HU 6 5418
TELIO SELIM SOLLY 1095 GRAHAM BLVD TOWN OF MT ROYAL QUE	B SC 1 RE 7 5088
TEMPLE MICHAEL CHARLES 3540 HUTCHISON MONTREAL QUE	B A 2
TEMPLEMAN MARGARET E 3466 SHUTER ST MTL 12 DARLING ST ST JOHNS NFLD	GRAD DIP 1
TEMPONERAS DENIS PETER 46 PINE AVE W MONTREAL 18 QUE	B A 2 VI 5 7931
TENENHOUSE ALAN 2660 GOYER APT 14 MONTREAL QUE	MD CM 3 RE 7 2825
TENG CHONG KWOK 3515 DUROCHER ST APT 54 14A SHAN KWONG RD 2ND FL HAPPY VALLEY HONG KONG	B SC 3 AV 8 2679
TENN TREVOR IGNATIUS 2052 JEANNE MANCE ST MTL P O BOX 10 ORACABESSA JAMAICA W I	B ENG 1
TEOLI EMILIO 4546 CHAPLEAU ST MONTREAL 34 QUE	B ENG 2 LA 5 1065
TEOLI RALPH ANTHONY 5241 2ND AVE MONTREAL 36 QUE	B ENG CIV 3 RA 7 1765
TEOLIS ROGER HENRY 111 RACHEL E MONTREAL QUE	B ENG 2
TERAUDS EVA IRENE MACDONALD COLLEGE R R 1 SWEETSBURG QUE	2 TCHRS 1
TERKEL GABRIEL 3445 RIDGEWOOD AVE APT 301 MONTREAL 26 QUE	B A 2 RE 3 8140
TERROUX ARTHUR CHARLES D 1509 SHERBROOKE ST W MONTREAL QUE	B SC 3 WE 2 8580
TERROUX PETER RICHARD S 1509 SHERBROOKE ST W APT 66 MONTREAL 25 QUE	B ARCH 2 WE 2 8580
TESKEY FRANK ARTHUR 117 OAK RIDGE DR BAIE D URFEE QUE	B ENG 1 GL 3 8301
TESSLER IRVING 3924 CARLTON AVE MONTREAL QUE	B SC 3 RE 3 1644
TETENBURG GERRIT JOHANNES 4095 TUPPER ST WESTMOUNT QUE	MUS B 4 WE 5 0464
TETERUCK WALTER ROBERT 3440 DECELLES PL APT 107 17 PRINCESS MARGARET BLV TORONTO 18 ONT	D D S 4 RI 8 2802
THATCHER WAYNE RAYMOND 36 11TH AVE ROXBORO QUE	B SC 2 MU 4 3427
THAW ALLAN 4620 PLAMONDON ST APT 3 MONTREAL QUE	H S D DIP 1 RE 9 6133
THAYER JOHN ROSS 3895 BROADWAY LACHINE QUE	D D S 1 ME 4 1959
THEODORE GEORGE 2585 GASCON AVE MONTREAL 24 QUE	B ED 3 LA 4 5181
THEODORE NICK 2585 GASCON AVE MONTREAL 24 QUE	B ENG 2 LA 4 5181
THEROU JOHN SHELDON 546 JEAN TALON W APT 4 BOX 515 STETTLER ALTA	B ENG EL 4 CR 4 1927
THEROUX CLAUDE 9627 CHARTON MONTREAL QUE	B ENG MCH 3
THERRIEN LAURENT 3768 GRAND BLVD CITY LAFLECHE QUE	B COM 2 OR 6 4332
THIARA DALEL S 3424 DRUMMOND ST APT 7 V MEHMOWAL P O BASSI DAULET KHAN DIST HOSHIARPUR PUNJAB INDIA	B ENG CH 4
THIBEAULT PIERRE 3828 GERTRUDE VERDUN QUE	B COM 1 PO 8 4540
THIBODEAU MICHEL JOSEPH 3484 DUROCHER APT 407 1 NEWTON ST DRUMMONDVILLE QUE	B ENG 2
THIND GURMAIL SINGH 2049 MCGILL COLLEGE AVE APT 8 MTL VIL MITHOOMAJRA P O KAULI DIST PATIALA PANJAB INDIA	MD CM 1
THIRLWELL MICHAEL P 3519 HUTCHISON ST PATERSON BLDG A1 10TH FL PATERSON ST HONG KONG	B SC 3 VI 9 9921
THODE JOHN CHARLES 3426 STANLEY ST MTL 76 THORNDALE CRES HAMILTON ONT	B SC 3
THOMAS BARRY RENTON 5463 12TH AVE MONTREAL 36 QUE	B ENG MEC 5 RA 2 9820
THOMAS CHRISTOPHER A K DOUGLAS HALL BOX 954 AURORA ONT	B A 1
THOMAS DOROTHY OLIVENE 3538 SHUTER ST APT U MTL CLARTHOVILLE BROWN S TOWN P O ST ANN JAMAICA W I	B SC P OT 2 VI 2 5527
THOMAS ELEANOR GALE LAIRD HALL 4580 BELMORE AVE MONTREAL QUE	B SC H EC 4 GL 3 1830
THOMAS ELEANOR LYNN 20202 LAKESHORE RD BAIE D URFE QUE	2 TCHRS 2 GL 3 5842

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NAME ADDRESS	COURSE & YEAR TEL. NO.
THOMAS GARFIELD BOSWORTH MACDONALD COLLEGE MUNRO COLLEGE JAMAICA B W I	B SC AGR 4
THOMAS HOWARD B 3466 MCTAVISH ST MTL 5 CHEVIOT PL ISLINGTON ONT	MD CM 3 AV 8 9533
THOMAS HOWARD MURRAY 34 MAPLE AVE APT A STE ANNE DE BELLEVUE QUE 5756 17TH AVE MONTREAL 36 QUE	B ED 2
THOMAS MARSHA DALE 250 KENSINGTON AVE APT G4 WESTMOUNT 6 QUE	M SC 2
THOMAS MARY GABRIELLE ROYAL VICTORIA COLLEGE P O BOX 77 HAMILTON BERMUDA	B A 4 VI 2 0526
THOMAS MAX MATTHEW P 3592 DUROCHER ST APT 3 4 CUMBERBATCH LANE BELMONT PORT OF SPAIN TRINIDAD W I	B ARCH 5 VI 4 0359
THOMAS ROBERT WILLIAM 6590 27TH AVE MONTREAL 36 QUE	B ENG 2 RA 1 2587
THOMPSON ARTHINGTON FRANK 25 COTE STE CATHERINE RD APT 9 OUTREMONT QUE	PH D 2 CR 2 0362
THOMPSON CAROL LYNN MAIN RD HUDSON HEIGHTS QUE	2 TCHRS 1
THOMPSON DONNA WILLOW 20730 GAY CEDARS DR BAIE D URFE QUE	2 TCHRS 1 GL 3 4421
THOMPSON GORDON D 3410 KENT AVE MONTREAL QUE	MED DIP 3 RE 1 4405
THOMPSON HUGH MACLEOD 37 BRUNET AVE PTE CLAIRE QUE	B ENG EL 5 OX 5 4305
THOMPSON JOHN H B 419 PRINCE ARTHUR MTL HUDSON HEIGHTS QUE	B A 3
THOMPSON JOSEPHINE C STEWART HALL OLD HOPE P A WESTMORELAND JAMAICA W I	HDICRAFTS 1
THOMPSON LLOYD HORATIC 1201 HOPE AVE APT 310 APT 8 MTL LITTLE LONDON P O JAMAICA W I	D D S 3 WE 7 7379
THOMPSON LYNN ANN MACDONALD COLLEGE 7300 CHURCHILL BLVD VERDUN QUE	2 TCHRS 1
THOMPSON PATRICIA ANN 20 BASSWOOD CIRCLE PTE CLAIRE QUE	2 TCHRS 2 OX 5 4024
THOMPSON PETER DENIS 6526 JOGUES ST MONTREAL 20 QUE	B A 3 PO 7 6735
THOMPSON SYBIL HYACINTH STEWART HALL MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC H EC 3
THOMPSON THOMAS BRIAN 4945 WESTMORE AVE MONTREAL QUE	H S D DIP 1 HU 8 2708
THOMPSON VALERIE ANNE 3194 KENT AVE MONTREAL QUE	B A 2 RE 8 7028
THOMPSON ROYDS GILBERT 3637 UNIVERSITY ST MTL WALTON HOUSE BOSTON SPA YORKS ENGLAND	B A 2 VI 9 1736
THOMSON BARRY KAY 1465 DEPATIE ST ST LAURENT QUE	B ENG EL 4 RI 7 6078
THOMSON GEORGE ALEXANDER 1228 SHERBROOKE ST W MONTREAL QUE	B A 1 VI 2 6974
THOMSON HARVEY AUSTEN 1420 PINE AVE W APT 18 MONTREAL 25 QUE	B A 1 AV 8 4892
THOMSON PATRICK H 3653 UNIVERSITY ST MTL RAVENSBY HOUSE BARRY CARNOUSTIE ANGUS SCOTLAND	B COM 3 VI 2 2073
THONG KAR CHEONG BRITTAIN HALL 6 PANGKOR RD PENANG MALAYA	B SC AGR 2
THORN JOHN HARRIE 482 BOURKE AVE DORVAL QUE	MED DIP 1 ME 1 3704
THORNBER GLADYS BEATRICE 4275 WESTERN APT 2 MONTREAL 6 QUE	PARTIAL WE 7 4366
THORNE ANNE DOREEN 418 PINE AVE W APT 9 MTL 169 WENTWORTH ST SAINT JOHN N B	B N 2 AV 8 1917
THORNILEY BRIAN HENRY C O DEPT OF GEOLOGY MCGILL UNIVERSITY MONTREAL QUE	M SC 2
THORNTON DAVID ROBERT 2066 DECARIE BLVD APT 1 118 MAIN ST ST JOHN N B	B SC 1 HU 1 6993
THORNTON NORMAN MARTIN 2400 BENNY CRES APT 310 MONTREAL QUE	MED DIP 3 HU 8 7172
THORNTON PATRICIA ANNE 570 MILTON APT 22 MTL 142 BUELL ST OTTAWA 3 ONT	B L S 1
THORNTON SARA BAROTT 499 MOUNT PLEASANT WESTMOUNT 6 QUE	B COM 2
THORP BEVERLEY JEAN MACDONALD COLLEGE 576 CURZON AVE ST LAMBERT QUE	B ED 2
THORPE MARJORIE AVORA R ROYAL VICTORIA COLLEGE 122 EASTERN MAIN RD TUNAPUNA TRINIDAD W I	B A 2 VI 2 0571
THUN NOEL ELIZABETH ROYAL VICTORIA COLLEGE SINKING SPRING R D 1 PHILADELPHIA P A USA	B SC 3 VI 2 0113
THUSWALDNER ANDREAS 4054 DORCHESTER ST W APT 7 MONTREAL D QUE	GRAD QUAL 1 WE 2 0259
TIBBITS JOHN WILLETT 67 JEFFERSON AVE VALOIS QUE	B ENG 1 OX 7 2567
TICHAUER PAUL ARTHUR 439 PRINCE ALBERT AVE WESTMOUNT QUE	B ENG 1 HU 1 9546
TIETOLMAN MARILYN 4915 GLENCAIRN MONTREAL QUE	B ED 3 HU 4 5590

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NAME ADDRESS	COURSE & YEAR TEL. NO.
TIETOLMAN SANDRA 5027 CORONATION MONTREAL QUE	A & S COM 1 HU 9 4859
TIGER PHYLLIS SHEILA 5841 DUROCHER AVE OUTREMONT QUE	B SC 2 CR 2 8164
TIIVEL MATI 1830 LINCOLN AVE APT 9 MONTREAL 25 QUE	M ENG 1 WE 3 3571
TILBURY ROY SIDNEY 3609 UNIVERSITY ST MTL 28 WELLESLEY AVE GORING SUSSEX ENGLAND	PH D 2 AV 8 6307
TILTINS VIZMA V STEWART HALL 5840 DUROCHER ST OUTREMONT QUE	B SC H EC 3
TIMLECK ARTHUR JAMES DOUGLAS HALL 13505 111TH A AVE SURREY B C	B ENG CIV 4
TIMMINS MARY JANET 1309 REDPATH CRES MONTREAL QUE	B C L 1 AV 8 6041
TIMMINS WILLIAM ANTHONY 14 SUNNYSIDE AVE MONTREAL QUE	B ENG 2 WE 5 1919
TIMSHENKO GALINA THERESA MACDONALD COLLEGE 3265 BARCLAY AVE APT 7 MONTREAL 26 QUE	2 TCHRS 1
TINCOMBE MARY C 324 40TH AVE LACHINE QUE	B SC 1 ME 7 0548
TINGLEY DANIEL HARPER 75 ROSEMOUNT CRES WESTMOUNT 6 QUE	B C L 1 WE 2 2833
TINGLEY GRANT BEDFORD 524 LAZARD AVE TOWN OF MT ROYAL QUE	B COM 1 RE 3 6328
TINKER MARY LOIS 4720 ROSLYN AVE MONTREAL QUE	B A 2 HU 8 4758
TINKLER SUSAN BEVERLY 4915 JEAN BRILLANT AVE MONTREAL QUE	B A 1 RE 3 6766
TINMOUTH ALAN HALL 6879 MONKLAND AVE MONTREAL QUE	MD CM 1 HU 6 3264
TINTO KENNETH DESMOND 3457 SHUTER ST MONTREAL QUE	B ENG EL 3 AV 8 9732
TISDALE TERRY CHARLES 3622 DUROCHER APT 104 1719 UNIVERSITY AVE GRAND FORKS N DAK USA	MD CM 4
TISHLER JACK MURRAY A 4907 BORDEN AVE MONTREAL 29 QUE	MD CM 4 HU 8 6303
TISSENBAUM VIVIAN CAROL 29 CRESTWOOD AVE MONTREAL WEST QUE	B A 1 HU 1 7403
TITLEMAN HERSHEY HAROLD 5998 MACDONALD AVE HAMPSTEAD QUE	B SC 1 HU 1 1686
TITMAN RODGER DONALDSON 3485 MCTAVISH ST MTL 482 MAIN ST LACHUTE QUE	B SC MDCM 1
TKACHYK WALTER JOSEPH 8133 BLOOMFIELD AVE MONTREAL 15 QUE	B ENG 2 CR 7 5389
TO EUNICE YUET NGAN 620 PRINCE ARTHUR MTL 275 LAKESHORE DR STRATHMORE QUE	B ENG EL 4 VI 5 8607
TOBBER FERDINAND 4 SIXTH AVE DORVAL QUE	B ENG 2 ME 1 5773
TOBBER INGRID 4 6TH AVE DORVAL QUE	2 TCHRS 1 ME 1 5773
TOBIASH NOELLE VIVIEN R MACDONALD COLLEGE 16 MONETTE AVE DORVAL QUE	3 TCHRS 1
TOBIN JOHN CHARLES 38 SURREY DR TOWN OF MT ROYAL QUE	B SC AGR 1 RE 1 1898
TOBIN MYRNA 8105 MCCUBBIN COTE ST LUC QUE	2 TCHRS 1 HU 6 4382
TOBMAN BILL WILLIAM 4942 ISABELLA AVE MONTREAL QUE	B ENG 1 RE 3 2658
TODD JOHN HENRY MACDONALD COLLEGE 17 REDFORD RD R R 2 LONDON ONT	B SC AGR 4
TODD MADELON CARY 78 SUNNYSIDE AVE WESTMOUNT QUE	B A 1 HU 8 2824
TOEMAN ANDREW GABRIEL 4693 COTE STE CATHERINE MONTREAL 26 QUE	B A 1 RE 9 3871
TOKER FRANKLIN KEVA B 4573 SHERBROOKE ST W WESTMOUNT QUE	B A 1 WE 2 5331
TOLENSKY IRWIN VICTOR 6742 MOUNTAIN SIGHTS AVE MONTREAL QUE	B ENG EL 4 RE 7 4996
TOLHURST GAIL LORETTA 757 LEXINGTON AVE WESTMOUNT QUE	B A 2 HU 4 1885
TOLHURST VICTORIA M 1730 NORWAY RD TOWN OF MT ROYAL QUE	B SC P OT 1 RE 3 9119
TOLMAN MARILYN JEAN 5223 DUPUIS MONTREAL QUE	B A 1 RE 8 8034
TOMALTY MARGO DALE 159 THIRD ST GREENFIELD PARK QUE	B SC P OT 2 OR 1 6281
TOMECKO JO ANN ROSANN 41 ELMWOOD RD SENNEVILLE QUE	B A 1 GL 3 4973
TOMLINSON JOHN EDWARD 335 HAWTHORNE AVE LONGUEUIL QUE	B ENG EL 5 OR 4 4864
TOMPKINS KAREN ETHEL 5718 LEGER AVE MONTREAL QUE	B A 1 HU 1 6997
TOMSON UDO 1105 LEPINE AVE ST LAURENT QUE	B ENG 1 RI 4 5150
TONKIN ROGER S MONTREAL CHILDRENS HOSP 4230 ROYAL MONTREAL QUE	MD CM 3 WE 7 8511
TOOLSIE DIARAM BRITTAIN HALL MANAHAMBRE RD PRINCES TOWN TRINIDAD T W I	B SC AGR 3

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TOONG TUNG 3512 SHUTER ST RM 2A MTL P O BOX 5383 KOWLOON HONG KONG		B SC 3
TOPHAM GILLIAN ELIZABETH 280 DULWICH AVE ST LAMBERT QUE	OR 1 7620	B A 1
TOPOLSKI RICHARD 5552 KING EDWARD COTE ST LUC QUE	HU 1 9472	D D S 3
TOROBIN ALLAN JEFFREY 78 DULUTH W MONTREAL 18 QUE	VI 4 7020	B A 2
TORREY EDWIN FULLER 3585 ST ZOTIQUE E MONTREAL QUE	RA 9 3957	MD CM 2
TOSCOS PANAYOTIS A 7681 BLVD PREVOST MTL MANOUTIOU 15 AMBELOKIPI ATHENS GREECE	CL 4 2177	B COM 2
TOTH GEORGE 3880 COTE DES NEIGES MONTREAL QUE	WE 5 1995	B ENG 2
TOTH JOZSEF 3717 JEANNE MANCE MONTREAL QUE	VI 5 3649	B ENG CIV 4
TOUROND MARGARET ANN ROYAL VICTORIA COLLEGE 136 THIBEAU ST CAP DE LA MADELEINE QUE	VI 2 0334	B ED 3
TOURVILLE JACQUES ROGER 5303 HUTCHISON MONTREAL QUE	CR 9 0580	B ENG 2
TOWLE RODERICK M 956 MONCRIEFF RD TOWN OF MT ROYAL QUE	RE 8 0514	B ENG 1
TOWNSEND PAUL ALBERT R 50 FRANKLIN AVE MONTREAL 16 QUE	RE 8 1857	PARTIAL
TOZZI GIAM CARLO 1500 STANLEY ST STE 908 20 VIA A RISTORI ROME ITALY		GRAD QUAL 1
TRACEY SISTER ST GERALD M MARIANOPOLIS COLLEGE 3647 PEEL ST MONTREAL 2 QUE	AV 8 6166	PH D 1
TRACHEWSKY DANIEL 3483 HUTCHISON ST MONTREAL QUE	VI 4 1388	B SC 4
TRACHMAN FELICE 4976 FULTON ST MONTREAL 29 QUE	RE 8 4686	2 TCHRS 2
TRACZYK EDMUND MICHAEL 4680 PIE IX BLVD APT 2 MONTREAL QUE	CL 4 8082	B ENG MCH 4
TRAINOR BERNA ANN ROYAL VICTORIA COLLEGE 14 CHURCHILL DR HALIFAX N S	VI 4 6762	B SC P OT 2
TRAVERS SUSAN ELIZABETH MACDONALD COLLEGE 651 DES MELEZES THREE RIVERS QUE		B ED 2
TRAVERS TIMOTHY HUGH E 2030 FORT ST MTL PHEASANTS EAST BERGHOLT NR COLCHESTER ESSEX U K	WE 5 6908	B A 2
TREE JAMES DOUGLAS 449 STRATHCONA AVE WESTMOUNT QUE	WE 5 6294	B SC 1
TREMBLAY CARL ALFRED 4460 DE LAROCHE MONTREAL QUE	LA 6 7356	B C L 2
TREMBLAY GINETTE LOUISE 3441 PEEL ST MONTREAL QUE	VI 4 3401	GRAD QUAL 1
TREMBLAY PIERRE 3561 DUROCHER APT 3 MTL R R NO 1 BAGOTVILLE QUE	VI 9 7414	B ENG PHY 3
TRENKER DOREEN ELIZABETH ROYAL VICTORIA COLLEGE 920 ATKINSON ST REGINA SASK	VI 2 0327	B ED PED 3
TRENT CORNELIUS NEAL DEAN 4800 COTE DES NEIGES RD APT 20 MONTREAL 26 QUE	RE 3 1535	B ENG 2
TRENT JEREMY WILLIAM BRITTAIN HALL BOX 33 T FALLS KENYA		B SC AGR 1
TREUMAN CARL MICHAEL 6 WEREDALE PARK MONTREAL 6 QUE	WE 5 9621	B ENG 2
TREVICK DANIEL I 45 JOYCE AVE OUTREMONT QUE	CR 6 6943	B A 4
TRIANDAFILLOU JOAN M BOX 195 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	GL 3 6836	M SC 1
TRIANDAFILLOU PANDELIS W HUT B11 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE		H S D DIP 1
TRIANTAFILLIDIS GERASIMOS 5050 WALKLEY AVE APT 10 MONTREAL 29 QUE	HU 4 3689	B ENG EL 5
TRIANTAFILLIDON MARY 5050 WALKLEY MONTREAL QUE	HU 4 3689	M S W 1
TRICKEY KENNETH WELDON 27 BROCK AVE N MONTREAL WEST QUE	HU 6 4325	M A 2
TRIGG CHARLES MURRAY 2927 SOMERSET RD ST LAURENT QUE		PH D 1
TRILLER HENRY 4915 COTE ST CATHERINE APT 14 MONTREAL QUE	RE 3 7071	B SC 4
TRIPATHI LAL BACHAN 521 PRINCE ARTHUR APT 21 VILL DHARAHARA POST HALDI RAMPUR DISTT BALLIA U P INDIA	VI 9 0170	PH D 2
TRISCHUK JOHN MICHAEL 3466 SHUTER APT 208 710 SHERBOURNE RD OTTAWA ONT		B ENG PHY 5
TRISTER BERNARD ALLEN 4814 LACOMBE AVE MONTREAL QUE	RE 1 0243	B SC 1
TROFIMIAK HELEN MARION 6340 10TH AVE MONTREAL 36 QUE	RA 2 9550	B A 1
TROKENBERG LILY 7285 STUART AVE MONTREAL QUE	CR 9 5574	B SC 2
TROPPER CARL DOUGLAS HALL 7505 16 S ST FLUSHING 66 N Y USA		B A 1
TROTT DELWYN ROGER BRITTAIN HALL RADNOR RD SHELLY BAY BERMUDA		3 TCHRS 1
TROTT EDWARD WILLIAMS 3524 DUROCHER ST APT 1 18 N MAIN ST HEMLOCK NEW YORK USA		MD CM 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
TRUJILLO ALEJANDRO E BRITTAIN HALL 4517 HARVARD AVE MONTREAL QUE	B SC AGR 1 HU 8 1722
TRUMAN JAMES C 1106 ELGIN TERRACE APT 101 MTL 50 STARK KNOLL PL OAKLAND 18 CALIF USA	MD CM 3 VI 9 8887
TRUMP RONALD STEPHEN 447 BALL AVE APT 14 MONTREAL QUE	B ENG CH 4 CR 9 6192
TSANG CHARLES PAK WAI 3549 LORNE AVE MTL 2 KAI YUEN TERR 2ND FL NORTH POINT HONG KONG	B SC 4 VI 9 0671
TSANG SEIMER HING LAU 3577 SHUTER ST APT 1 MTL 6 SUNNING RD 1ST FL HONG KONG	B ENG 1 VI 5 3401
TSAO HOU YU 3611 HUTCHISON ST MTL 32 A DE ALBUQUERQUE 1ST FL MACAO	B SC 2 VI 4 0879
TSAO JULIA WEN LIEN 3677 PEEL ST APT 3 MTL 4 PERKINS RD HONG KONG	MD CM 1
TSAO SHANG BOX 1912 STN B MTL 27 CANAL RD W TOP FL HONG KONG	B ENG EL 4
TSCHUDI JURG L E 495 PRINCE ARTHUR ST W APT 25 MTL CASILLA 1318 LIMA PERU	B COM 4 VI 4 3139
TSIPURAS DENNIS JOHN 1820 FILION ST ST LAURENT QUE	B SC 2 FE 4 8328
TSO LIANG 630 PRINCE ARTHUR W APT 1 MTL 27 CANAL RD W TOP FLOOR HONG KONG	B SC 3
TSOUKAS GEORGE 3453 COLONIAL AVE MONTREAL 18 QUE	B SC 1 AV 8 0474
TSUKAMOTO JOE YOSHIKAZU 40 MTEE STE MARIE STE ANNE DE BELLEVUE QUE MILE 1019 ALASKA HIGHWAY YUKON TERRITORY	M SC 2 GL 3 2491
TUCHNER MARCEL 5820 HUTCHISON ST APT 3 MONTREAL QUE	B ENG EL 4 CR 1 0783
TUCHNER NICOLE 5820 HUTCHISON ST APT 3 MONTREAL QUE	3 TCHRS 1 CR 1 0783
TUCKER CLIFFORD ELRIE 3622 DUROCHER APT 401 5 PRESCOTT ALLEY PORT OF SPAIN TRINIDAD T W I	MD CM 4 VI 2 4027
TUCKER ERIC CLINTON 3602 DUROCHER APT 11 MTL 5 PRESCOTT ALLEY BELMONT PORT OF SPAIN T W I	MD CM 4 VI 4 5560
TUCKER JOHN ARTHUR 135 KENASTON AVE MONTREAL QUE	B A 3 RE 9 0340
TUCKER LEONARD GORDON 5757 WOLSELY AVE COTE ST LUC QUE	B A 2 HU 9 4324
TUCKER NORMA JANE 135 KENASTON AVE MONTREAL 16 QUE	B SC N 5 RE 9 0540
TUCKER PENLOPE ANN MIMI 3622 DUROCHER ST APT 401 MONTREAL 18 QUE	D D S 3 VI 2 4027
TUDIVER NEIL 5118 LACOMBE AVE MONTREAL QUE	B COM 1 RE 7 3375
TUDOR JOSE LO PO 1441 DRUMMOND ST MTL WEST BURN WESTBURY RD ST MICHAEL BARBADOS T W I	B SC 3 VI 9 4171
TULCHINSKY ALEXANDRA 3221 FOREST HILL AVE APT 24 MONTREAL QUE	H S D DIP 1 RE 1 5826
TUN HLA 3615 UNIVERSITY ST MTL 104 94TH ST RANGOON BURMA	M ENG 1 VI 4 0888
TUNSTALL KENNETH 3456 BEACONSFIELD AVE MONTREAL 28 QUE	M SC 1 HU 4 6889
TURCHYNIAK SONIA EVELYN MACDONALD COLLEGE 3060 LOUIS VEVILLOT MONTREAL 5 QUE	3 TCHRS 1
TURCOTTE RAYMOND 216 BIENVILLE ST LONGUEUIL QUE	GRAD QUAL 1 OR 7 2063
TURIANSKY CHRISTIAN RENE 5138 JEANNE MANCE MONTREAL QUE	B A 4
TURKENIK CAROLE JUDITH ROYAL VICTORIA COLLEGE 22 TRAFALGAR RD KINGSTON 10 JAMAICA W I	B SC 2 VI 2 0334
TURMAINE ANTHONY 8022 RAOUL ST MONTREAL 35 QUE	B ENG MCH 5 RA 1 2225
TURNBULL ALAN DAVID M 776 CANORA RD TOWN OF MT ROYAL QUE	MD CM 4 RE 1 4716
TURNBULL DAVID I 2990 GLENCOE AVE TOWN OF MT ROYAL QUE	MD CM 3 RE 8 5960
TURNBULL DOROTHY MARGARET ROYAL VICTORIA COLLEGE 142 TRUDEAU BEAUHARNOIS QUE	B A 4 VI 2 0147
TURNER ALLAN CECIL 1091 BEATTY AVE VERDUN QUE	B COM 4 PO 8 0426
TURNER BARBARA JEAN 3480 ONTARIO AVE MTL 476 ARROWHEAD RD PORT CREDIT ONT	B SC P OT 3 VI 2 0044
TURNER DONALD GEORGE 1005 OLD ORCHARD AVE MONTREAL 28 QUE	B SC 2 HU 6 2388
TURNER FREDERICK TIMOTHY 15 MONETTE AVE DORVAL QUE	B ENG 1 ME 1 3362
TURNER JOYCE JEANIE 6 MAPLE AVE APT 45 STE ANNE DE BELLEVUE QUE	3 TCHRS 1 GL 3 8700
TURNER MARGARET JOAN 4790 COTE DES NEIGES RD MONTREAL 26 QUE	B SC 2 RE 3 9648
TURNER MARY LOVELACE ROYAL VICTORIA COLLEGE 476 ARROWHEAD RD PORT CREDIT ONT	B A 4 VI 2 0265

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
TURNER NORMAN ERIC 4968 VICTORIA AVE MONTREAL QUE	RE 8 5979	B ENG 2
TURPIN MARY ELIZABETH BOX 309 A3 CAMPUS APT MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	2 TCHRS	1
TUTHILL MARTHA LEE 3501 LORNE AVE MTL MORNINGSIDE MIDDLEBURY VT USA		M A 1
TWEED ROBERTA BEVERLY MACDONALD COLLEGE BOX 8 ABERCOM QUE	3 TCHRS	1
TWEEDIE LUCIA JOAN 222 MILTON ST MTL 5 FRIEBEL RD ALBANY N Y USA	AV 8 0649	M S W 1
TWIDALE VALERIE JOY ROYAL VICTORIA COLLEGE 262 RUA ALFREDO ELLIS APT 3 SAO PAULO BRAZIL	VI 2 0180	B A 3
TYLER NORMAN FREDERICK C 12 MACDONALD COLLEGE P O BOX 69 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE		H S D DIP 1
TYMAN JOHN LANGTON 3445 PEEL ST MONTREAL QUE	VI 5 9462	M A 2
TYRRELL RAOUL 3513 UNIVERSITY ST MTL DEVONSHIRE WEST BERMUDA	VI 9 5946	B ENG EL 5
TYSON JOHN STANBURY 2205 HALL WINDSOR ONT		B ENG 1

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U SHAM KEUNG KEVIN 521 PRINCE ARTHUR ST APT 10 MONTREAL QUE		B ENG 2
UBANI NELSON CHIKEZIE M DOUGLAS HALL P O BOX 175 ABA E NIGERIA		B SC 2
UBER CORNELIA HUBBELL ROYAL VICTORIA COLLEGE 132 WOODBRIDGE ST SO HADLEY MASS USA	VI 2 0829	B A 1
UDD JOHN EAMAN 1444 REDPATH CRES MTL GLENORA PARK R R 3 BROCKVILLE ONT	VI 9 4993	PH D 2
UDD MARY CHRISTINE 1444 REDPATH CRES MONTREAL 25 QUE	VI 9 4993	B SC N 1
UDEN DAVID E 2317 GRAND BLVD MONTREAL 28 QUE	HU 4 2835	MD CM 3
UDITSKY JOAN LINDA 36 SUMMIT CRES WESTMOUNT QUE	HU 1 5044	B A 4
UETE TETSUO 3541 SHUTER ST MONTREAL QUE	VI 2 0892	PH D 3
ULMANN SUZANNE HELEN MACDONALD COLLEGE 4871 HAMPTON AVE MONTREAL 29 QUE	2 TCHRS	1
ULRICH ALLAN 4426 CIRCLE RD MONTREAL QUE	RE 3 4391	B A 4
ULRICH GARY STANLEY 611 ST GERMAIN AVE OUTREMONT QUE	RE 3 6266	B A 4
UNIAT DANIEL BOHDAN 3592 UNIVERSITY ST MONTREAL QUE	VI 2 2435	B ENG CIV 5
UNIAT JERRY JAROSLAW 7516 QUERBES AVE MONTREAL QUE	CR 4 7372	B ENG 2
UNG ALBAN YOU MING 4974 KENT AVE MONTREAL 29 QUE	RE 9 6966	PH D 5
UNGER STANLEY 4845 HUTCHISON APT 3 MTL 3015 AVONDALE WINDSOR ONT		B SC 2
UNGERLEIDER STUART LESTER 1001 SHERBROOK ST W MTL 198 JAMES ST FRANKLIN SQ L I N Y USA		B SC 1
UPELNIERS LAUMA D MONTREAL CHILDRENS HOSP MONTREAL QUE		MED DIP 3
UPHOFF DEAN F DOUGLAS HALL 524 JOHNSON ST MINONH ILL USA	VI 5 3728	MD CM 3
URGELLES JOSE 6206 NORTHCREST PL MONTREAL 8 QUE	RE 3 4258	PARTIAL
URQUHART HEATHER JANE MACDONALD COLLEGE 8800 STE CELAIRE ST MONTREAL 5 QUE	3 TCHRS	1
USHER DAVID RICHARD 4437 KING EDWARD AVE MONTREAL QUE	HU 4 5151	M SC 2
USHER MICHAEL S 7 RENFREW AVE WESTMOUNT QUE	HU 6 3034	MD CM 3
USHER PETER JOSEPH 4647 UPPER ROSLYN AVE MONTREAL QUE	HU 6 2088	B A 3
USHEROFF JEFFREY PAUL 5544 ISABELLA AVE MONTREAL 29 QUE	HU 6 0423	B ENG 1
UTSAL JACK 5340 ST IGNATIUS AVE MONTREAL 29 QUE	HU 8 6228	B ENG EL 5
UTSAL TONY 5340 ST IGNATIUS AVE MONTREAL 29 QUE	HU 8 6228	B SC 1
UTTARO DAVID R R 2 CHAMBLY QUE	OL 8 2695	B ED 4

V

VAAGE ROBERT DESMOND 5555 DUDEMAINE APT 203 CARTIERVILLE QUE		B ENG MCH 4
VACHON GUY HENRI 1934 DUBOIS MONTREAL 20 QUE	PO 6 6627	B ENG CIV 4
VADASZ LESLIE 1565 VAN HORNE AVE APT 16 MONTREAL QUE	CR 9 3796	B ENG EL 5
VADORI MAX ROMAN 26 DONCK LAVAL DES RAPIDES QUE		B ENG CH 3

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VAINSTEIN ELLA 4585 DUPUIS AVE APT 16 MONTREAL QUE	RE 3 5143	B SC 3
VAINSTEIN LEON 4585 DUPUIS MONTREAL QUE	RE 3 5143	B COM 1
VALDMANIS AGNAR 574 ROSLYN AVE WESTMOUNT QUE	HU 4 0712	B SC 3
VALDMANIS GUNDARS 574 ROSLYN AVE WESTMOUNT QUE	HU 4 0712	B SC 4
VALDMANIS VIDUUD 574 ROSLYN AVE WESTMOUNT QUE	HU 4 0712	B SC 1
VALENTI ANTHONY MICHAEL 6955 FIELDING APT 115 774 SPADINA RD TORONTO 10 ONT	HU 4 7870	M ENG 1
VALENTINE MARGARET HAZEL 138 FILION ST STE ROSE CO LAVAL QUE	NA 5 2676	B A 3
VALENTINE MAURICE C B 3514 LORNE AVE APT 10 455 WYONA ST BROOKLYN 7 N Y USA	VI 9 6475	B ENG CIV 3
VALENTINE ROBERT WILLIAM 6308 GODFREY AVE MONTREAL 28 QUE	HU 6 1750	B ENG MCH 4
VALIQUETTE MAXINE 238 GLEGARRY MONTREAL QUE	RE 7 4620	B A 2
VALLELY LOIS MARY 2020 BISHOP ST APT 5 MTL 90 COLBECK ST TORONTO ONT	AV 8 1895	M A 1
VAMOS EDWARD GEORGE 1547 MACGREGOR ST MTL R R 4 BRANTFORD ONT	WE 3 0394	B ENG MET 3
VAN GEORGE PAUL DOUGLAS HALL 189 RADIO RD ARVIDA QUE		B A 4
VAN ABBEMA JOHN MACDONALD COLLEGE R R 3 RIDGETOWN ONT	GL 3 1828	B SC AGR 2
VANAGAS JOSEPH CHARLES 6317 DES ECORES ST MONTREAL QUE	RA 1 4460	B ENG EL 5
VANASSE PAUL HENRI 6201 SHERBROOKE W APT 510 MONTREAL QUE	HU 1 4112	B C L 1
VAN BOVEN JOAN LOUISE 59 NORTHVIEW AVE MONTREAL WEST QUE	HU 1 4348	B SC 2
VAN BRUMMELEN HARRO W 3543 JEANNE MANCE ST MTL 6785 35TH AVE MTL 1010 15TH ST S W CALGARY ALTA	VI 5 0491	B SC 3
VAN DEN BERG ROBERT W F 737 ALEPIN LASALLE QUE	DO 5 0449	B L S 1
VANDERBELLEN LIANA IRINA 3450 DUROCHER APT 38 MONTREAL QUE	VI 5 5916	M L S 2
VAN DER MERWE DAVID F 3420 UNIVERSITY ST MTL DEPT OF MECH ENG PRETORIA UNIVERSITY PRETORIA S AFRICA	VI 9 6221	PH D 2
VAN DER PUT WILLEM WOUTER 2031 MANSFIELD MONTREAL 2 QUE	VI 2 0856	M A 1
VAN DER SCHANS CORNELIS HUT C 19 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE		B SC AGR 4
VANDERWOLF CORNELIUS H 3570 SHUTER ST APT 6 GLENEVIS ALTA	VI 9 3407	PH D 3
VAN ERMENGEN MARINA 4125 ESPLANADE MONTREAL QUE	VI 5 0848	M SC 2
VAN ESSELSTYN TOBIAS L 1429 STANLEY ST MTL 7104 ORKNEY PKWY BETHESDA M D USA		B SC 1
VANIER GUY ERNEST 3553 DUROCHER MONTREAL QUE		B ARCH 2
VANIER JACQUES PAUL EATON ELECTRONICS LAB RIGAUD CO VAUDREUIL QUE		PH D 2
VAN LOAN PAUL ROSS 1420 TOWERS ST APT 801 MONTREAL 25 QUE	WE 3 8133	PH D 2
VAN LOON JOHN B BOX 19 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	GL 3 3407	M SC 1
VAN OOSTROM CORNELIS A BOX 107 MACDONALD COLLEGE A B VAN OOSTROM ZANDWEG 10 DE MEERN UTR HOLLAND		B SC AGR 4
VAN OOSTROM JOHN 93 18TH AVE ST EUSTACHE SUR LE LAC QUEBEC	GR 3 2181	B ARCH 3
VAN PELT JACQUES ANTON 3467 SIMPSON ST MTL HUIZE THUVINE DUIVEN HOLLAND	WE 3 0296	B ED 4
VAN RIEMSDYK WALRAVEN R DOUGLAS HALL GOOWEG 14 NOORDWYK HOLLAND		B ENG 1
VAN SCHIE MARINUS 600 24TH AVE APT 2 PTE AUX TREMBLES QUEBEC	MI 5 0982	B ENG CIV 5
VAN VLIET DIRCK 4733 ROSLYN AVE MONTREAL QUE	HU 6 7013	B SC 2
VAN VLIET JUDITH AGNES 7490 BAYARD AVE MONTREAL 16 QUE	RE 8 9101	B A 1
VAN WALBEEK WILHELMINA 536 PINE AVE W APT 1 MONTREAL QUE		M SC 2
VAN WESENBEECK HERMAN A MACDONALD COLLEGE HOOFSDTRAAT 3 SCHIJNDEL N B THE NETHERLANDS		B SC AGR 4
VARGAS ROBERTO 3485 MCTAVISH MTL APARTADO 1785 SAN JOSE COSTA RICA CENTRAL AMERICA	VI 9 0141	B SC 3
VARKONY EVA VERONICA J 2075 MOUNTAIN ST APT 27 MONTREAL QUE	AV 8 6575	B A 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
VARMA AOITYA NARAYAN C O DR BINODE NARAYAN INTERNEES HOSTEL ROYAL VICTORIA HOSPITAL MONTREAL 2 QUE	B ENG 2
VARMA DAYA RAM PHARMACOLOGY DEPT MCGILL UNIVERSITY MONTREAL QUE	PH D 3
VARSANYI NICHOLAS A P 5152 NOTRE DAME DE GRACE MONTREAL QUE	M A 1 HU 1 9094
VAS MAGDOLNA 6920 FIELDING AVE MONTREAL QUE	MED DIP 4 HU 4 7930
VASILKIOTI ALEXANDER 3173 VAN HORNE MONTREAL QUE	B COM 4 RE 9 4376
VASILKIOTI FRANKLIN M 4801 CIRCLE RD MONTREAL QUE	B C L 1 HU 8 2194
VASOS PETER 424 ST JOSEPH BLVD W OUTREMONT QUE	B ENG MCH 5 CR 9 3876
VAUGHAN WILLIAM S 4586 DECARIE BLVD APT 16 433 ELM ST FREDERICTON N B	M SC 2 HU 8 9369
VAZALINSKAS JOHN G 216 2ND AVE LASALLE QUE	B ENG MCH 4 DO 6 7717
VAZIRNIA REZA 3734 COTE ST CATHARINE VAZIRI HOSPITAL TEHERAN IRAN	MED DIP 1 RE 3 1007
VEALE TIMOTHY CHARLES 8 APPLE HILL RD BAIE D URFE QUE	B SC AGR 1 GL 3 8109
VEARY JOYCE ELIZABETH MACDONALD COLLEGE R R 1 LAKE MEGANTIC QUE	2 TCHRS 1
VEGA JORGE MANUEL WILSON HALL AV ARMENDARIZ 490 MIRAFLORES LIMA PERU	B COM 2 V 4 0624
VEGSO PETER PAUL 5266 BANNANTYNE MONTREAL QUE	B ENG 1 PO 7 5501
VEIT MARY CAROL STEWART HALL METIS BEACH QUE	2 TCHRS 1
VELDI KATRI 8181 23RD AVENUE VILLE ST MICHEL QUE	B SC 1 RA 7 2412
VENDITTI DOMINIC JOSEPH C 110 36TH AVE BOIS DES FILION CO OF TERREBONNE QUE	B ENG 2 NA 5 1142
VENDITTI GIACINTO G 2565 DARLING ST MONTREAL 4 QUE	B ENG EL 4 LA 6 6966
VENNEMA ALJE ROYAL VICTORIA HOSPITAL 2120 WELLINGTON AVE BURLINGTON ONT	MD CM 3 VI 2 1251
VENOR RICHARD 3360 BARCLAY APT 11 MONTREAL QUE	B COM 1 RE 3 0374
VERRUSIO A CARL 3569 STE FAMILLE MTL 14 GATES AVE SUMMIT N J USA	MD CM 1
VESSIE IAN ALAN DAVID PRESBYTERIAN COLLEGE R R LACHUTE QUE	B ENG 1
VEZINA JEAN LORRAIN 207 LORRAINE RD PONT VIAU QUE	MED DIP 3 MO 9 1843
VIBERG HENRY ROBERT 6 SWALLOW AVE DORVAL QUE	B A 2 ME 1 5377
VICKERY VERNON RANDOLPH P O BOX 75 MACDONALD COLLEGE 75 ROOSEVELT AVE TRURO N S	PH D 2
VICTOR EDWARD 3102 BRIGHTON MONTREAL QUE	B COM 4 RE 8 1433
VICTOR ISAAC AKINOLA 3531 LORNE AVE MONTREAL QUE	B COM 3 VI 4 5483
VIGNALES JOHN OLIVER 3085 BEDFORD RD APT 2 MONTREAL 26 QUE	B ENG 1
VIKANDER LARS ERIK 69 FRANKLIN AVE MONTREAL 16 QUE	B ENG CIV 4 RE 1 1076
VIKANDER NILS OLOF 69 FRANKLIN AVE TOWN OF MT ROYAL QUE	B ENG 1 RE 1 1076
VILA MARY ELIZABETH ROYAL VICTORIA COLLEGE 619 REMMERT PL BALDWIN N Y USA	B A 2 VI 2 0113
VILLAMIN MARIA LUISA 3467 SIMPSON ST MTL 57 JOSE WRIGHT SAN JUAN RIZAL PHILIPPINES	L L M 1
VILLANI DANTE ANTHONY R 3630 OXENDEN AVE APT 4 270 WHITE ST SPRINGFIELD 8 MASS USA	D D S 4 VI 4 4030
VILLANYI BOKOR AGNES J 3201 FOREST HILL APT 35 MONTREAL 26 QUE	B SC 2 RE 1 1816
VINARIC JOSEPH 3540 COTE ST CATHERINE APT 3 MONTREAL QUE	B SC 4 RE 3 0324
VINCENT JOHN STEWART 5080 PIE IX BLVD APT 203 137 PAISLEY BLVD COOKSVILLE ONT	M SC 1 RA 9 9170
VINE GOLDIE SYLVIA 5220 VICTORIA APT 9 MONTREAL QUE	M S W 2 RE 7 0316
VINEBERG DAVID ALLAN 566 POWELL AVE MONTREAL 16 QUE	B COM 1 RE 8 7129
VINEBERG HIRSCH MICHAEL 634 BELMONT AVE WESTMOUNT QUE	B COM 1 HU 6 0473
VINEBERG ROBERT SPENCER 32 SUMMIT CRES MONTREAL QUE	B A 1 HU 6 1289
VINETTE ROGER JOSEPH P 3579 SHUTER MTL BOX 94 ORLEANS ONT	B ENG CIV 4 VI 5 1777
VINGER IRVING 5030 BORDEN AVE MONTREAL 29 QUE	B A 3 HU 6 4002
VIOLA MICHAEL VINCENT 64 FORDEN CRES MTL 84 CUMMINGS AVE REVERE MASS USA	MD CM 1
VIPOND HUDSON HOMER 211 PORTLAND AVE MONTREAL 16 QUE	B SC 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
VIRBALL VICTOR GEORGE 1755 MUIR ST VILLE ST LAURENT QUE	B ENG EL 3 RI 7 9759
VISHNU RAMNARACE 1001 SHERBROOKE ST W MTL 47 MAIN RD CHAGUANAS TRINIDAD W I	B ENG 2 VI 4 2122
VISSER ERIC PIERRE DOUGLAS HALL 30 HYDE PARK GATE LONDON SW7 ENGLAND	B SC 2
VISWANATHAN M A POST BOX 31 MACDONALD COLLEGE C O K R S IYER GURU NIVAS RAM MANDIR RD VILE PARLE PO BOMAY 57 INDIA	PH D 2
VLAHOS JOHN 8520 DE L EPEE BLVD APT 6 MONTREAL 15 QUE	B ENG EL 5 CR 6 2324
VODSTRCIL PETER GEORGE 1509 SHERBROOKE ST W MONTREAL QUE	B A 3 WE 2 2936
VOGELSANG DORIS J 141 IVANHOE CRES LAKESIDE HEIGHTS QUE WILLIAMSTOWN ONT	B SC H EC 4 OX 7 3167
VONNEZ LILIANE ANDREE 405 PRINCE ARTHUR ST W APT 2 MONTREAL QUE	PARTIAL AV 8 6714
VOSBURGH NEWTON EUGENE 4266 OLD ORCHARD AVE APT 9 MONTREAL QUE	GRAD QUAL 1 HU 4 7272
VOSKO GERALDINE ELAINE 4371 CIRCLE RD MONTREAL QUE	B A 1
VOSS BRIAN ERIC 55 DESLAURIERS AVE PIERREFONDS QUE	B ENG EL 4 MU 4 3057
VUCKOVIC MILORAD 224 WATSON AVE RIVERSIDE ONT	PH D 3
VUCKOVIC VUKASIN CAUGHNAWAGA QUE	PARTIAL ME 7 0606
VULKOVIC NICOLA 3565 DUROCHER ST APT 15 MONTREAL 18 QUE	M A 2 VI 5 2083
VULOVIC DUSANKA 3649 DUROCHER ST MONTREAL 18 QUE	GRAD QUAL 1 VI 9 9222

W

NAME ADDRESS	COURSE & YEAR TEL. NO.
WACHNA JUDITH ANN 1009 SHERBROOKE ST WEST 2030 RIVERSIDE DR RIVERSIDE ONT	B A 2 VI 4 0426
WADDELL JOHN CRAIG 3015 GRAHAM BLVD MONTREAL 16 QUE	B ARCH 2 RE 8 8367
WADDELL MARION HELEN LAIRD HALL BOX 23 METCALFE ONT	B SC H EC 4
WADEHRA INDERJIT LAL 3484 HUTCHISON ST MONTREAL QUE	PH D 1 VI 4 9794
WAGHORN RICHARD BARRY 1559 MACGREGOR ST APT 5 143 RIVERMEAD COURT LONDON SW 6 ENGLAND	B A 1
WAGLE DINKAR GANPAT 5071 KENSINGTON AVE MONTREAL QUE	PH D 3 HU 4 8320
WAINBERG HAZEL JOAN 756 LEXINGTON AVE MONTREAL 6 QUE	M S W 2 HU 9 7279
WAINER LILY COHEN 5127 CLANRANALD AVE MONTREAL 29 QUE	PARTIAL HU 1 6068
WAIT PATRICIA ANNE ROYAL VICTORIA COLLEGE 316 JAMES ST S HAMILTON ONT	B A 4 VI 2 0634
WAITE ALLAN ALASTAIR AMESBURY 14 APT 612 MTL WESTMORE LAND LAMBS RIVER P O JAMAICA W I	B COM 2
WAKELING DOROTHY FAYE 5704 ELDRIDGE ST MTL 18 SHELDON ST DUNDAS ONT	B SC P OT 3 HU 1 9002
WAKKARY JAN ABEDNEGO 3565 LORNE AVE APT 7 MTL PANIKI ATAS MENADO INDONESIA	B SC 4
WALCOT DONALD THOMAS 65 CURZON ST MONTREAL WEST 28 QUE	B A 2 HU 4 2088
WALCOTT MICHAEL JAMES 58 SHERBROOKE ST W APT 8 THE ROCK SPOONERS HILL ST MICHAEL BARBADOS W I	B COM 3 AV 8 4864
WALDRON GEORGE ARTHUR 3540 HUTCHISON ST APT 20 MONTREAL QUE	B A 2 VI 9 0611
WALDRON KEITH CLIFFORD 44 12TH AVE ROXBORO QUE	B ENG EL 5 MU 4 2776
WALKE LACEY 3630 DUROCHER ST APT 48 GOODLAND PLANTATION CHRIST CHURCH BARBADOS W I	MD CM 3 VI 9 2914
WALKER BRIAN LESLIE 3563 UNIVERSITY APT 3 304 VASSAL ST DRUMMONDVILLE QUE	B ENG CIV 3 VI 3 5617
WALKER BRUCE 63 TRENTON AVE TOWN OF MT ROYAL QUE	P E DIP 2 RE 1 1612
WALKER DIANE ELIZABETH ROYAL VICTORIA COLLEGE 3727 REVELSTONE DR OTTAWA ONT	B A 2 VI 2 0327
WALKER EDWARD R 4000 BENNY AVE APT 16 MONTREAL 28 QUE	PH D 4 HU 6 2993
WALKER JACK MALCOLM 3581 UNIVERSITY ST MTL 323 SUSAN AVE CORNWALL ONT	B ENG EL 4 VI 9 1368
WALKER JAMES DOUGLAS 4895 MAIRFAIR AVE MTL R R 3 CARBONDALE ILL USA	MD CM 4 HU 9 6589
WALKER JANET MARY MACDONALD COLLEGE R R 6 AMHERST N S	B SC H EC 1
WALKER JOANNE MARGUERITE 173 GLENCOE AVE TOWN OF MT ROYAL QUE	B A 1 RE 8 2708
WALKER JOHN AUBREY 1441 DRUMMOND ST MTL 6 WORTHOLT CRES ISLINGTON ONT	B ENG 1

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WALKER JOHN G 3434 MCTAVISH ST MTL 19 HILLCREST AVE ST CATHARINES ONT	B ENG 2 VI 2 4492
WALKER LYNNE MARGOT 74 STAFFORD RD BAIE D URFEE QUE	B SC P OT 1 GL 3 8151
WALKER MARY JUDITH EDEN ROYAL VICTORIA COLLEGE 5315 GRANVILLE ST VANCOUVER B C	B A 4 VI 2 0477
WALKER MICHAEL BARRY WILSON HALL 3507 VICTORIA AVE REGINA SASK	B ENG PHY 5 VI 4 0624
WALKER RALPH C S 3582 UNIVERSITY ST MONTREAL 2 QUE	B A 1 VI 4 9050
WALKIW BOHDAN 2529 MOREAU ST MONTREAL 4 QUE	B ENG 2 LA 6 5290
WALKIW IRENE 2529 MOREAU ST MONTREAL 4 QUE	B SC 1 LA 6 5290
WALL ALBERT EDWARD 34 MAPLE ST APT A STE ANNE DE BELLEVUE QUE 116 ST HELEN ST OTTERBURN HEIGHTS QUE	B ED P ED 2
WALLACE ELIZABETH ANN 15 H BALLANTYNE AVE N MONTREAL WEST QUE	B SC N 2 HU 1 3555
WALLACE ELIZABETH J ROYAL VICTORIA COLLEGE C O CANADA STARCH CO CARDINAL ONT	B A 3 VI 2 0180
WALLACE HUGH EDWIN MOUNT BRUNO ASSOC CHAMBLY CO QUE	B ENG MCH 3
WALLACE JOHN KEITH DOUGLAS HALL 37 KIRK ST FARNHAM QUE	B ENG EL 4
WALLACE MICHAEL D 125 SPARTON CRES VALOIS QUE	B SC 1 OX 7 2695
WALLACE RALPH SPARLING BOX 167 MACDONALD COLLEGE BOX 574 WATERLOO QUE	M SC 1 GL 3 5335
WALLETT FRED RUDZIER BRITTAIN HALL 1199 SUSSEX ST MONTREAL 25 QUE	2 TCHRS 1
WALLIS ALAN EDWIN 5140 BEACONSFIELD AVE MONTREAL QUE	B ENG EL 3 HU 1 8757
WALLIS WILLIAM GERALD 3775 15TH N E APT 117 SEATTLE WASH USA	MED DIP 4
WALMARK CARL D W 3478 MCTAVISH ST MTL 160 QUEBEC ST GODERICH ONT	B A 4 VI 2 7412
WALMSLEY JOHN LEONARD 6551 STARNES AVE MONTREAL 28 QUE	B SC 1 HU 6 5687
WALSH DIANA MAUREEN 2000 MCGILL COLLEGE AVE APT 21 MONTREAL QUE	B ED 3
WALSH GEORGE ALFRED 4635 CLANRANALD APT 504 MONTREAL QUE	B A 2 HU 9 0568
WALSH GERALD ANTHONY ST FAMILLE ST MTL 1007 2ND ST W CORNWALL ONT	B ENG CIV 4
WALSH HENRY GEORGE 38 FAIRFIELD CRES MONTREAL WEST QUE	B A 3 HU 6 6326
WALSH IRVING LAWRENCE 900 GROU ST ST LAURENT 9 QUE	B C L 1 RI 7 6764
WALSH PETER JAMES DOUGLAS HALL 12 ROBIN RD WAKEFIELD MASS USA	MD CM 2
WALTER ERIC CARL 20036 LAKESHORE RD BAIE D URFE QUE	B ENG 1 GL 3 2926
WALTERS LAWRENCE G 3616 DUROCHER ST MTL 248 KING ST E BROCKVILLE ONT	MD CM 3
WANG I CHENG 3463 PEEL ST MTL C O MRS E P TANG 67 29 KESSEL ST FOREST HILLS NEW YORK 75 N Y USA	PH D 3 VI 9 0602
WANG PAUL YAOCHEUNG 1441 DRUMMOND ST MTL P O BOX 5628 KOWLOON HONG KONG	B SC 3 VI 9 4171
WANKLYN MARGERY PATIENCE 43 THORNHILL AVE WESTMOUNT QUE	PARTIAL WE 3 6025
WANLESS RONALD GRAHAM A PRESBYTERIAN COLLEGE 783 FAIRACRES AVE WESTFIELD N J USA	B ENG 1 VI 2 1926
WARANICA KARL 752 BRAULT AVE VERDUN QUE	B ENG EL 5 PO 7 0472
WARBANKS JOSEPH JAMES N 1039 LAKE ST LOUIS RD VILLE DE LERY QUE	B SC 1 OX 2 8010
WARBIS FRANK D 456 PINE ST W MTL 344 EGLINTON AVE E TORONTO ONT	MUS B 1
WARBURTON DOROTHY P J 6171 SHERBROOKE ST W APT 16 MONTREAL QUE	PH D 3 HU 1 5449
WARBURTON FREDERICK EYTON 6171 SHERBROOKE W APT 16 MONTREAL QUE	M SC 1 HU 1 5449
WARD MARGARET ANN 4919 MARIETTE AVE MONTREAL 29 QUE	B A 4 HU 4 3741
WARD PAMELA JOYCE 4919 MARIETTE AVE MONTREAL QUE	PH D 3 HU 4 3741
WARDY BILHAH 5276 MACMAHON MONTREAL 29 QUE	M A 3 HU 6 9559
WARK RONALD LACHLAN M 4346 BEACONSFIELD AVE MONTREAL 28 QUE	B ARCH 4 HU 6 1808
WARNAARS BENJAMIN C BRITTAIN HALL P C HOOFTLAAN 7 ZEIST HOLLAND	B SC AGR 3
WARNER RICHARD WESTON 3475 STANLEY ST APT 18 THE OLD RECTORY STANTON NR BROADWAY WORCS ENGLAND	B ENG CH 3 VI 4 9759

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WARNER WESLEY JOHN 4862 SHERBROOKE ST W APT 2 WESTMOUNT 6 QUE	B ENG 2 HU 8 8007
WARNES HECTOR 1025 PINE AVE W RONDEAU 641 CUCUMAN ARGENTINA	MED DIP 3
WARNOCK MARY ROYAL VICTORIA HOSPITAL MONTREAL QUE	PARTIAL VI 2 1251
WARR BARBARA LUCY LLOYD LAIRD HALL 1360 BROWN BLVD VERDUN QUE	B SC H EC 4
WARR DAVID HOWARD 1360 BROWN BLVD VERDUN QUE	B ENG EL 3 PO 8 7273
WARREN JEAN PIERRE 1604 PINE AVE W APT 4 600 GRANDE ALLEE E QUEBEC 4 QUE	B ENG 1
WARSHAWSKY HERSHEY 2865 GOYER APT 16 MONTREAL QUE	M SC 2 RE 3 0635
WARSZAWSKI JANUSZ 4750 PLAMONDON AVE APT 7 MONTREAL 26 QUE	B ENG EL 4
WASCHER GEORGE HANS 2045 BISHOP APT 14 MONTREAL QUE	B ENG EL 3
WASCHKE BARBARA 55 MTEE ST MARIE STE ANNE DE BELLEVUE QUE 17 89TH AVE L ABORD A PLOUFFE QUE	2 TCHRS 1 QL 3 4410
WASEEM MUHAMMED P O BOX 7 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	PARTIAL
WASILEWSKI STANLEY 6979 12TH AVE MONTREAL 36 QUE	H S D DIP 1 RA 2 8563
WASSER LAWRENCE FRANK 3467 PEEL ST APT 3 MTL 150 CLARK RD BROOKLINE 46 MASS USA	B A 2 VI 2 7046
WASSERMAN SYBIL 6405 MACDONALD MONTREAL QUE	B SC 1 RE 7 7700
WATANABE HIROKO 3237 EVELYN ST MONTREAL 19 QUE	MD CM 1 PO 8 5127
WATANABE HISAKO 3237 EVELYN ST MONTREAL 19 QUE	M SC 1 PO 8 5127
WATANABE MAMORU 3237 EVELYN ST MONTREAL 19 QUE	PH D 2 PO 8 5127
WATEROUS PATRICIA LOGAN ROYAL VICTORIA COLLEGE 15 INWOOD DR BRANTFORD ONT	B A 2 VI 2 0495
WATIER ETHEL PATRICIA ROYAL VICTORIA COLLEGE 1650 GEORGE ST SHAWINIGAN QUE	B SC 2 VI 9 0120
WATKINS CHARLES G 108 EMBLETON CRES PTE CLAIRE QUE	B SC 3 OX 7 0502
WATSON JAMES GREENWOOD 329 CHESTER AVE TOWN OF MT ROYAL QUE	B ENG CIV 5 RE 7 5319
WATSON JANET LEE 1680 ATHLONE RD TOWN OF MT ROYAL QUE	B A 1 RE 8 9106
WATSON ROBERT ANTHONY 3647 UNIVERSITY ST MTL 5B MONA RD KINGSTON 6 JAMAICA	B ENG CIV 5 VI 9 2806
WATSON ROBERT LESTER STE MARIE RD STE ANNE DE BELLEVUE QUE	B SC AGR 4 GL 3 2245
WATT BARBARA ELLEN 10 BIRCH RD TERREBONNE HTS R R 3 MASCOUCHE QUE	B A 2 GR 7 5777
WATT BARBARA MAY ROYAL VICTORIA COLLEGE CHANDLER QUE	B COM 1 VI 9 0030
WATT CAROL LOUISE ROYAL VICTORIA COLLEGE 69 CATHERINE ST SYDNEY N S	B SC P OT 2 VI 2 0495
WATT CAROLYN FOSTER 3220 RIDGEWOOD APT 106 16 GARFIELD AVE TORONTO ONT	GRAD DIP 1 RE 9 4510
WATT ELIZABETH MARY ROYAL VICTORIA COLLEGE 45 LAKEWAY DR ROCKCLIFFE PARK OTTAWA ONT	B A 2 VI 2 0571
WATT JAMES ROBERT 315 PHANEUF ST JOHNS QUE	B ENG 1 FI 8 2679
WATT ROBERT DEAN BARNEY 3581 UNIVERSITY ST MTL 315 PHANEUF ST ST JOHNS QUE	B ENG CIV 4 VI 7 1369
WATTERS WENDELL WALLACE 5377 KING EDWARD AVE MONTREAL 29 QUE	MED DIP 4 HU 8 7853
WATTERSON PAUL 3478 MCTAVISH ST MTL 6550 MARINE CRES VANCOUVER 14 B C	B SC 3 VI 2 7412
WATTS DAVID 3440 SHUTER APT 15 MONTREAL QUE	PH D 3
WATTS REGINALD KEITH 114 MT PLEASANT AVE VALOIS QUE	B ED 2 OX 7 4928
WAWRYKOW JOANNE NADINE ROYAL VICTORIA COLLEGE 272 SCOTIA ST WINNIPEG 4 MAN	B SC 1 VI 2 0829
WAX GERALDINE GISSA 5585 BORDEN AVE COTE ST LUC QUE	2 TCHRS 2 HU 4 8926
WAXMAN BLUMA 18 LYNCROFT RD HAMPSTEAD QUE	B A 2 HU 9 7233
WAXMAN GERALDINE 6332 WESTBURY MONTREAL QUE	B SC 1 RE 7 8851
WAXMAN MARVIN BENJAMIN M 5342 MACDONALD AVE MONTREAL QUE	MD CM 2 HU 6 2029
WEARING JANET CATHERINE ROYAL VICTORIA COLLEGE CUTLER ONT	B SC N 2
WEARING JOHN ROBERT 3436 DUROCHER APT 6 MTL CUTLER ONT	B ENG CH 4
WEAVER OLIVER KENNETH 3600 LINTON AVE APT 97 4838 VENABLES ST N BURNABY B C	D D S 3 RE 9 9678

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WEAVER RALPH SHERMAN 3504 PARK AVE APT 19 MTL DOAKTOWN N B	PH D 4 AV 8 4658
WEBB GARY DOUGLAS 4055 CAVENDISH BLVD APT 31 MONTREAL 28 QUE	B SC 1 HU 6 4130
WEBB MICHAEL STANLEY 1441 DRUMMOND ST MTL 3155 WEST 14TH AVE VANCOUVER 8 B C	B SC 4 VI 9 4171
WEBB SHARON ANN 530 DESAULNIERS BLVD ST LAMBERT QUE	3 TCHRS 1 OR 1 1730
WEBER BARBARA 741 STUART AVE OUTREMONT QUE	B A 4 CR 7 8809
WEBER EDMUND JOHN 3260 BARCLAY AVE APT 2 MONTREAL 26 QUE	B ENG PHY 3 RE 7 3282
WEBER HEINZ OTTO F 56A SAURIOL BLVD LAVAL DES RAPIDES QUE	B ENG MEC 3 MU 1 6734
WEBER JUDITH 741 STUART AVE OUTREMONT QUE	B A 2 CR 7 8809
WEBERSPIEL MAX 4859 HUTCHISON ST MONTREAL QUE	B ARCH 6 CR 9 0501
WEBSTER ELEANOR IRENE 75 BALLANTYNE AVE N MONTREAL WEST QUE	B SC N 5 HU 4 8661
WEBSTER JOHN DAVID 1471 MCGILL COLLEGE AVE APT 12 MTL 59 EDGEWOOD AVE APT 16 TORONTO 8 ONT	B A 3
WEBSTER SUSAN MURIEL 621 CLARKE AVE WESTMOUNT QUE	B COM 4 WE 3 2864
WECHSLER ANN 4755 PLAMONDON APT 305 MONTREAL QUE	PH D 3 RE 7 7746
WEIDEMIER CLAIRE ANNE 4432 MARCIL AVE MTL THOMASTON RD WATERTOWN CONN USA	MD CM 1 HU 6 7072
WEIFFENBACH JAMES MILTON 3638 DUROCHER ST MONTREAL QUE	M A 1 VI 5 3825
WEIN MARCELI 866 STUART AVE OUTREMONT QUE	M SC 2 CR 9 8142
WEIN SYLVIA 1000 PRATT AVE APT 408 OUTREMONT QUE	H S D DIP 1 RE 3 9388
WEINBERG EDWARD 268 ST JOSEPH BLVD W MONTREAL QUE	B SC 4 CR 7 7294
WEINBERG MARK CHARLES 4645 CIRCLE RD MONTREAL QUE	B COM 1 HU 9 1593
WEINBERG RHEA ANN 268 ST JOSEPH BLVD W MONTREAL 8 QUE	B SC 1 CR 7 7294
WEINER CAROLYN 517 DAVAAR AVE OUTREMONT QUE	B A 1 CR 2 3788
WEINER JEWEL 4879 ISABELLA AVE MONTREAL QUE	B A 2 RE 7 8536
WEINER JOEL 517 DAVAAR AVE OUTREMONT QUE	B SC 2 CR 2 3788
WEINER ROSE 517 DAVAAR AVE OUTREMONT 8 QUE	M S W CR 2 3788
WEINGARTEN SEYMOUR AMERICAN TOURIST HOME STANLEY ST MTL 685 WEST END AVE NEW YORK 25 N Y USA	B A 1
WEINLANDER GERARD HENDRIK 3660 DUROCHER ST MONTREAL QUE	D D S 4 VI 9 5914
WEINSTEIN BERNARD ARTHUR 5470 MOUNTAIN SIGHTS MONTREAL QUE	B SC 1 HU 6 8983
WEINSTEIN HARVEY MARVIN 5070 PONSARD AVE MONTREAL 29 QUE	B SC 2 HU 6 2842
WEINSTEIN MARTIN SUNNY 3534 SHUTER ST APT 7 MTL 19131 N W 5TH PL MIAMI FLA USA	B SC 2
WEINSTEIN NORMAN LEWIS 5584 DUNMORE AVE MONTREAL QUE	B ENG 1 RE 1 4752
WEINSTEIN PAUL RAPHAEL 5470 MOUNTAIN SIGHTS MONTREAL QUE	B SC 3 HU 6 8983
WEIR ROBERT ORMSBY 6310 COOLBROOK AVE MONTREAL 29 QUE	GRAD QUAL 1 RE 3 4727
WEISBORD MERRILY ROSE STEWART HALL 880 ANVERS AVE MONTREAL QUE	B ED P ED 2
WEISER REGINALD 644 WISEMAN AVE MONTREAL 8 QUE	B ENG EL 3 CR 6 5233
WEISER STEVEN 5591 CLANRANALD MONTREAL 29 QUE	B A 1 RE 3 0302
WEISS CAROLYN 5386 GROVEHILL PL MONTREAL QUE	B A 2 HU 4 3293
WEISS DAVID STEPHEN 475 63RD AVE L ABORD A PLOUFFE QUE	B ENG MCH 4 MU 1 4340
WEISS DONALD JACKSON 865 40TH AVE LACHINE QUE	B ENG 1 ME 7 1653
WEISS FRED MORRIS 2867 BEDFORD RD MONTREAL 26 QUE	B ENG 2 RE 1 5703
WEISS GABRIELLE 3051 8TH ST L ABORD A PLOUFFE QUE	MED DIP 3 MU 1 7756
WEISS HARRIET HELAINE 3485 VAN HORNE AVE MONTREAL QUR	B A 2 RE 8 2846
WEISS MARIANNE 8985 REIMS ST MONTREAL 11 QUE	B SC 2 DU 1 3342
WEISS RICHARD CARL 3458 DUROCHER ST MTL 6 COOKE AVE CARTERET N J USA	M SC 1
WEISS RONALD 4770 MACKENZIE AVE MONTREAL QUE	B ENG 2 RE 3 1186
WEISSHUHN PETER 2 AURORA AVE APT 11 PTE CLAIRE QUE	B ENG MCH 4 OX 5 9486

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WEISZ DAGMAR 735 STUART AVE MONTREAL QUE	B SC N 1 CR 9 9164
WEISZ MONICA 735 STUART AVE OUTREMONT QUE	B A 2 CR 9 9164
WEKSELMAN REUBEN 2180 VAN HORNE AVE APT 11 MONTREAL QUE	M SC 1 RE 3 5013
WELCH CECIL ALLAN BRITTAIN HALL 466 RIVERDALE AVE OTTAWA ONT	B ED P ED 1
WELCH DONALD ERNEST 3647 UNIVERSITY ST MTL 466 RIVERDALE AVE OTTAWA ONT	B ENG CIV 5 VI 9 2806
WELDON ANN DALE 17 RENFREW AVE WESTMOUNT QUE	B A 2 HU 1 4930
WELDON ELSPETH ANNE 1555 SUMMERHILL AVE APT 612 MONTREAL 25 QUE	H S D DIP 1 WE 3 3363
WELDON PETER ROBERT 288 DE L EPEE AVE OUTREMONT QUE	M SC 1 CR 9 2088
WELL ARNOLD D 2515 VAN HORNE APT 8 MTL 1505 33RD AVE S W CALGARY ALTA	B SC 4 RE 3 4821
WELLEN MORTON FRANK 866 DOLLARD AVE OUTREMONT 8 QUE	B ARCH 5 CR 9 0364
WELLER SYDNEY LESLIE 5739 ESPLANADE AVE MONTREAL QUE	B SC 3 CR 1 6377
WELLS SYDNEY ARTHUR 3511 PEEL ST MTL BOX 44 GRENADA W I	B ENG EL 3 VI 4 4777
WELTON JULIET STREETT ROYAL VICTORIA COLLEGE 1015 WOODBINE PL LAKE FOREST ILLINOIS USA	B A 3 VI 9 0120
WENDLANDT SABINE 4777 RACHEL ST TOWN OF PIERREFONDS QUE	B SC 1 MU 4 3721
WENER JEFFREY ALLAN 11 ALBION RD HAMPSTEAD QUE	B SC 1 HU 1 7919
WENER STEPHEN 4187 HINGSTON AVE MONTREAL QUE	B COM 1 HU 1 6135
WENNBERG EMMA FRANCA 456 PINE AVE W APT 7 MTL 2347 CASCADE WAY LONGVIEW WASH USA	MD CM 4 VI 9 9716
WENNBERG JOHN EGMONT 456 PINE AVE APT 7 MTL 2347 CASCADE WAY LONGVIEW WASH USA	MD CM 4 VI 9 9716
WENSLEY ROLAND JAMES 417 WALPOLE AVE TOWN OF MT ROYAL QUE	M A 2 RE 7 3082
WENTGES ERIK WILLEM 231 CLARK AVE WSTMT S GRAVENWEG 102 ROTTERDAM HOLLAND	B A 2 WE 2 4544
WENTWORTH NICHOLAS J 4345 MONTROSE MONTREAL QUE	B A 1 WE 3 4826
WERB CLIFFORD 56 HARWOOD APT 14 DORION QUE 5460 WALKLEY AVE APT 9 MONTREAL 39 QUE	2 TCHRS 1
WERBA ISAAC LEON 4820 BARCLAY AVE APT 7 MONTREAL QUE	B ENG 2 RE 9 8426
WERENFELS JUDITH ANN 7 THORNHILL AVE WESTMOUNT QUE	B A 4 WE 5 8086
WERLEMAN MICHAEL GUSTAV 5265 BEACONSFIELD AVE MONTREAL QUE	B ARCH 5 HU 6 8435
WERNECKE HANNS BERTRAM 22 LAKEBREEZE PTE CLAIRE QUE	M A 1 OX 7 0328
WERRY JOHN SCOTT 1051 LECLAIR AVE VERDUN QUE	MED DIP 3 PO 7 3846
WESTAWAY JANET CROMAR ROYAL VICTORIA COLLEGE 14 INWOOD DR BRANTFORD ONT	B A 2
WESTBURY IAN WALTER 4564 PATRICIA AVE MONTREAL 28 QUE	B C L 4 HU 6 7855
WESTMAN HERBERT A J WILSON HALL 79 5TH ST SHAWINIGAN QUE	B ENG EL 4
WEX SAMUEL 1360 BERNARD AVE W APT 6 OUTREMONT QUE	B A 3 CR 2 8610
WEXLER MARVIN JOHN 4474 CIRCLE RD MONTREAL QUE	B SC 4 RE 8 8224
WEXLER SHEILA 4430 HARVARD AVE MONTREAL 28 QUE	B A 4 HU 6 3048
WEYNEROWSKI JOSEPH R 3518 DUROCHER ST MTL 57 HIGHLAND AVE ST CATHARINES ONT	M S W 1 VI 4 6708
WHALEN JEAN MARIE ROYAL VICTORIA COLLEGE 22 BAILEY ST LAWRENCE MASS USA	B SC 4 VI 2 0147
WHALEN JOHN BURTON 545 PINE AVE W MTL 115 HIGHLAND AVE PIEDMONT CALIF USA	MD CM 4 VI 5 5841
WHEELER CLAIRE MARGARET ROYAL VICTORIA COLLEGE 71 FERN ST LAWRENCE MASS USA	B SC 4 VI 2 0147
WHELAN DONALD THOMAS 4481 WESTERN AVE WESTMOUNT QUE	MD CM 4 WE 7 3722
WHETTER JENNIFER MARGARET MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	M SC 2 GL 3 5335
WHITAKER GEOFFREY DAVID DOUGLAS HALL RAVENSWOOD SCHOOL STOODLEIGH TIVERTON DEVON ENGLAND	B A 2 VI 9 0977
WHITE BOYD ERIC MACDONALD COLLEGE 5607 WENTWORTH AVE COTE ST LUC QUE	2 TCHRS 1
WHITE CAROLE ANN 70 CARTIER AVE ROXBORO QUE	B A 1 MU 4 4505

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WHITE CAROLYN NEWHALL LAIRD HALL 100 EASTON AVE MONTREAL WEST QUE	B SC H EC 1 GL 3 1830
WHITE ENID GERALDINE P O BOX 94 8 MAPLE ST ST PAUL L ERMITE QUE	PARTIAL
WHITE GORDON CRICHTON 570 MILTON ST APT 22 115 NORTH RIVER RD CHARLOTTETOWN P E I	MUS B 4 VI 5 0409
WHITE KEITH 5333 WESTERN AVE MONTREAL QUE	PH D 1 HU 9 4230
WHITE NANCY JEAN 3220 RIDGEWOOD AVE MTL 213 KINGSWAY AVE WINNIPEG MAN	B A 4 RE 9 7348
WHITE NORMAN FREDERICK 5020 HAMPTON AVE MONTREAL QUE	MD CM 3 HU 1 4829
WHITE NORMAN MARK 5210 CUMBERLAND AVE MONTREAL QUE	B A 3 HU 4 8621
WHITE ROGER W B 7 ROCKLEDGE COURT MONTREAL 25 QUE	B A 4 WE 5 0711
WHITE WILLIAM 3565 JEANNE MANCE APT 15 219 HOPE ST N PORT HOPE ONT	PH D 3 VI 3 6838
WHITEHEAD GRANVILLE 1441 DRUMMOND ST MTL 1 MEDWAY CLOSE OLDHAM LANCS ENGLAND	PARTIAL
WHITEHEAD JOHN W 5760 DECELLES ST APT 306 BOX 465 SMITHFIELD N C USA	D D S 4 RE 1 4202
WHITESIDE ANN JENNIFER 20031 LAKESHORE RD BAIE D URFE QUE	2 TCHRS 2 GL 3 5053
WHITING JAMES 68 PRINCE ARTHUR ST W APT 10 MONTREAL QUE	MD CM 1
WHITING JOAN ELIZABETH 1355 DORCHESTER ST W MTL 24 SMERDON ST HAWKESBURY ONT	M SC 1 UN 6 9941
WHITING LAURENCE VERNON 1965 CONNAUGHT ST LAURENT QUE	GRAD QUAL 1 RI 7 7776
WHITING MARY JANE ROYAL VICTORIA COLLEGE POINT OF VIEW OAK RIDGE CONSTANT SPRING P O JAMAICA W I	B SC N 4 VI 2 0526
WHITMAN GEORGIA ELIZABETH 135 WESTMINSTER MONTREAL WEST QUE	B A 4 HU 6 9728
WHITNEY ALEXANDER 590 OUTREMONT AVE APT 46 MONTREAL 8 QUE	B SC 3 CR 4 7827
WHITNEY KEITH ALTON 3508 UNIVERSITY ST MTL 151 HENRY ST E PRESCOTT ONT	B D 1 VI 4 0752
WHITTAKER HYACINTH V 4535 GRAND BLVD APT 4 MONTREAL QUE	M SC 1 HU 4 6397
WHITTAKER WILLIAM GEORGE 5374 COOLEBROOK AVE MONTREAL 29 QUE	B ENG 2 HU 9 1203
WHITTALL ALAN CALVERT 76 ST LOUIS AVE BEAUREPAIRE QUE	B ED 3 OX 5 6148
WHITTALL ANTHONY EDMUND 76 ST LOUIS AVE BEAUREPAIRE QUE	B ED 3 OX 5 6148
WHYTE ALISON JEAN 3459 DRUMMOND APT 34 MTL 67 KENSINGTON ST GUELPH ONT	B L S 1 VI 5 6387
WIELER ANNE HELENE 3455 HUTCHISON APT 307 RANKIN INLET N W T MAN	GRAD DIP 1 VI 2 6719
WIENER ALLAN 5602 DUNMORE AVE MONTREAL QUE	B SC 2 RE 7 4333
WIENER BRAHM HARVEY 4817 JEAN BRILLANT ST MONTREAL QUE	B SC 1 RE 8 4531
WIENS RODNEY DAVID 356 PINE AVE W MTL 701 E PUTHAM PORTERVILLE CALIF USA	MD CM 4
WIESENFELD MARCUS JACOB 6191 COTE ST LUC RD APT 205 HAMPSTEAD QUE	B C L 4 HU 8 7712
WIESENTHAL MARVIN MEYER 7372 OSTELL CRES MONTREAL 9 QUE	B SC 1 RE 9 0156
WIGHTON MARY LOUISE 723 COVENTRY DR BAIE D URFEE QUE	B ED 2 GL 3 4890
WIGRAM PETER HALLAM 3484 DUROCHER ST APT 312 MONTREAL QUE	B A 4 VI 9 1008
WILENSKY SAUL 5331 HUTCHISON ST MONTREAL QUE	B SC 1 CR 9 0792
WILFORD SUSAN MARY 2019 STANLEY ST APT 16 12A RUSSELL ST E LINDSAY ONT	B N 2 VI 9 1489
WILKIE DONALD BRUCE 489 VICTORIA AVE WESTMOUNT QUE	B C L 4 WE 3 9683
WILKINS ANTHONY DEAN EXECUTIVE HOUSE MOUNTAIN ST MTL 188 WEMBLEY DR SUDBURY ONT	B A 2
WILKINSON JOAN MARJORIE 5400 QUEEN MARY RD APT 10 MONTREAL QUE	B SC 4 HU 1 2207
WILKINSON JOHN G 63 PROSPECT AVE WSTMT WYNDCLIFF HIGHGATE GARDENS ST MICHAEL BARBADOS T W I	B COM 3 WE 3 6110
WILKINSON MARGARET E MACDONALD COLLEGE 5400 QUEEN MARY RD APT 10 MONTREAL QUE	2 TCHRS 1
WILKINSON MARION JANE 3621 OXENDON APT 1 MTL 4 ANGLESEY BLVD APT 203 ISLINGTON ONT	M SC APP 2 AV 8 7745
WILKINSON SUSAN GAIL 399 DEVON AVE MONTREAL QUE	B A 1 RE 7 0456
WILKINSON WILLIAM HUGH 1947 ST LUC ST APT 3 MTL 60 BARTON CT AVE NEW MILTON HANTS ENGLAND	B A 2

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NAME ADDRESS	TEL. NO.	COURSE & YEAR
WILLEMOT CLAUDE 1547 MACGREGOR MONTREAL QUE	WE 3 0394	M SC 1
WILLIAMS BERTRAM C R HUT C 6 MACDONALD COLLEGE PORT OF SPAIN TRINIDAD T W I		B SC AGR 4
WILLIAMS DAVID ARNOTT 3975 CAVENDISH BLVD APT 62 MONTREAL QUE	HU 9 2871	B SC 5
WILLIAMS DESMOND 1563 MCGREGOR AVE MTL WESTTENE DIST LLOYDMINSTER ALTA	WE 3 0837	M ENG 2
WILLIAMS ELIZABETH MARY 950 45TH AVE LACHINE QUE	ME 7 4312	2 TCHRS 1
WILLIAMS ERNEST GEORGE S 1001 SHERBROOKE ST W MTL 17 ZURCHER ST VISTABELLA SANFERNANDO TRINIDAD W I		B ENG 1
WILLIAMS GWENYTH L STEWART HALL 4335 MONTCLAIR AVE MONTREAL QUE	GL 3 1959	B SC H EC 3
WILLIAMS HALLOCK 1500 OUIMET ST APT 47 MONTREAL 9 QUE	RI 7 9555	MD CM 4
WILLIAMS IAN EDWIN 4561 PATRICIA AVE MONTREAL 28 QUE	HU 9 5580	B ENG CIV 4
WILLIAMS JOSEPH P 3581 UNIVERSITY ST MTL OLD TROY RD WAPPINGERS FALLS N Y USA	VI 9 1368	B SC 2
WILLIAMS JUDITH ANN 3460 DUROCHER APT 8A MTL 1301 W ARTHUR AVE CHICAGO 26 ILL USA	VI 9 0398	M A 1
WILLIAMS ROBERT OWEN 434 MERCILLE AVE ST LAMBERT QUE	OR 1 7818	B COM 4
WILLIAMS RONALD F 3975 CAVENDISH BLVD MONTREAL QUE	HU 9 2871	B ARCH 3
WILLIAMS RUSSEL MILES 23 WINDSOR AVE WESTMOUNT QUE	HU 6 8185	B ENG CH 5
WILLIAMS SANDRA KAY 1208 ST MARC MTL 2419 LAKESHORE DR ESCANABA MICH USA		PARTIAL
WILLIAMS TRYON MILES 3581 UNIVERSITY ST MTL 13101 104TH AVE EDMONTON ALTA	VI 9 1368	B ENG MCH 3
WILLIAMS WILLIAM LEWIS 456 PINE AVE MTL 645 VICTORIA ST SHERBROOKE QUE		B ENG 1
WILLIAMS WINSTON ANTHONY 3568 HUTCHISON ST APT 1 P O BOX 16 SAV LA MAR JAMAICA W I		B ENG 1
WILLIAMSON BRIAN M 129 ST LOUIS AVE PTE CLAIRE QUE	OX 5 2065	B SC 1
WILLIAMSON GILBERT S 6599 44TH AVE MONTREAL 36 QUE	RA 8 7389	2 TCHRS 1

NAME ADDRESS	TEL. NO.	COURSE & YEAR
WILLIAMSON KATHLEEN ELENA ROYAL VICTORIA COLLEGE CALLE 106 3910 MARIANAO HABANA CUBA	VI 2 0477	B A 4
WILLIAMSON ROSS JAMES 118 ST MICHAEL ST CHATEAUGUAY QUE	OX 2 4542	B SC 2
WILLIS LORNE ALAN 563 GROSVENOR AVE WESTMOUNT QUE	HU 4 5416	B A 3
WILLOUGHBY HENRY WELLS 366 SHERBROOKE ST W APT 12A MTL 265 WILLIAM ST PEMBROKE ONT		MD CM 3
WILLOWS GLEE FRAAS MACDONALD COLLEGE 163 BEDBROOKE AVE MONTREAL WEST QUE		B ED 2
WILLOWS JUDITH JANE ROYAL VICTORIA COLLEGE 1476 PRINCESS ST CORNWALL ONT	VI 9 0120	B A 2
WILSON BARRY NORMAN 1441 DRUMMOND ST RM 421 9 KINGSWAY CRES TORONTO 18 ONT	VI 9 4171	B COM 3
WILSON DAVID ARNOLD 456 PINE W APT 2 MTL CDN CONSULATE CENTRAL CHICAGO USA	VI 5 1557	B SC 2
WILSON DONNA MELANIE 77 FIELDSEND AVE BEACONSFIELD QUE	OX 7 4232	B A 2
WILSON DOROTHY EUNICE 148 COTE ST ANTOINE APT 34 MTL 30 ROYAL YORK RD S TORONTO 18 ONT	WE 3 2551	M S W 1
WILSON DOUGLAS RALPH 3508 UNIVERSITY ST MTL RIDGE RD HUDSON HEIGHTS QUE		B A 2
WILSON EDWARD MATTHEW BRITTAIN HALL MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	GL 3 1828	B SC AGR 2
WILSON ELEANOR ANN MACDONALD COLLEGE 20 CRESSY RD HAMPSTEAD QUE		P E DIP 1
WILSON ELIZABETH VICTORIA 1640 LAJOIE AVE OUTREMONT QUE	CR 2 6467	M A 4
WILSON ERIC HAMILTON 15 TAMPICO AVE PTE CLAIRE QUE	OX 5 2917	B A 2
WILSON EVELYN SANDRA ROYAL VICTORIA COLLEGE P O BOX 111 CAMPBELLS BAY QUE	VI 2 0597	B SC 1
WILSON FREDERICK CHARLES 3300 RIDGEWOOD AVE APT 48 MONTREAL 26 QUE	RE 3 7362	PH D 2
WILSON HALFORD MORRIS 7460 GLENWOOD AVE MONTREAL QUE	RE 8 9588	B ENG 2
WILSON JACK HAROLD A 1420 ST MATTHEW APT 704 MONTREAL QUE	WE 3 5913	B SC 1
WILSON KATHARINE ANN ROYAL VICTORIA COLLEGE 55 SELKIRK AVE HUDSON QUE	VI 2 0334	B A 3

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WILSON MARJORIE A 40 EASTBOURNE BEACONSFIELD QUE	B A 2 OX 5 2316
WILSON NORMA JEAN 79 MELBOURNE AVE TOWN OF MT ROYAL QUE	B SC 3 RE 7 4362
WILSON PATRICIA M 35 THURLOW RD HAMPSTEAD QUE	B SC 1 HU 6 6494
WILSON PAUL HERBERT 481 PRINCE ARTHUR ST W R D 1 BOX 276 ASBURY N J USA	B ENG 2 AV 8 7773
WILSON PAUL JOHN S 1280 PINE AVE W MONTREAL QUE	B ENG 1 VI 2 9451
WILSON RONALD MARK 355 EDISON ST LAMBERT QUE	B ENG 1 OR 1 6789
WILSON SANDRA MARY L 615 RICHARD AVE VERDUN QUE	B A 1 PO 8 9616
WILSON SUSAN ANN 249 PORTLAND AVE TOWN OF MT ROYAL QUE	B A 4 RE 8 9588
WILSON WILLIAM BRIAN 78 BROADVIEW AVE VALOIS QUE	2 TCHRS 1 OX 7 2946
WILSON WILLIAM FRASER 5401 DUQUETTE AVE MONTREAL 28 QUE	B COM 2 HU 4 3481
WILTON JOHN STUART ALLAN 275 REVERE AVE TOWN OF MT ROYAL QUE	B ENG 1 RE 7 8137
WILTSE JOSEPH AUGUST JOHN 5179 JEANNE MANCE MTL 608 BUTE ST PORT ALBERNI B C	B A 1 CR 1 8455
WINDEYER CHARLES KENDAL 361 ROSLYN WSTMT R R 2 DUNCAN B C	B SC 1 WE 2 4275
WINDISCH STEPHEN JOHN 10318 ESPLANADE AVE MONTREAL 12 QUE	B ENG CIV 5 DU 8 0653
WINDSOR GEORGE F 420 WOOD AVE WESTMOUNT QUE	B ENG 2 WE 5 9373
WINKLER ERIKA 8 GARDEN CITY STE ANNE DE BELLEVUE QUE 2475 VAN HORNE AVE APT 2 MONTREAL QUE	3 TCHRS 1
WINKLER VILDA MARGARET MACDONALD COLLEGE 141 EASTON AVE MONTREAL WEST QUE	2 TCHRS 1
WINN CHRISTOPHER J 757 UPPER BELMONT AVE MONTREAL 6 QUE	B SC 2 HU 4 4589
WINN NEAL EDWARD 3616 DUROCHER ST APT 104 60 HIGHLAND ST WOONSOCKET R I USA	MD CM 2 VI 9 3438
WINROW KEITH E 146 PERCIVAL AVE MONTREAL WEST QUE	B COM 3 HU 9 2712
WINSLOW DONNA ELIZABETH MACDONALD COLLEGE R R 2 SAWYERVILLE QUE	2 TCHRS 2
WINSOR ROBERT BECK 88 MORRISON AVE MONTREAL 16 QUE	B ENG MCH 4 RE 8 5559
WINSTAN JUDITH 6282 MACDONALD AVE HAMPSTEAD QUE	B SC P OT 1 HU 1 1439
WINSTONE PHILLIPPA JANET 3459 DRUMMOND APT 2 73 MATIPO RD MAIRANCE BAY AUCKLAND N Z	GRAD DIP 1
WINTER LIONEL DONALD S 460 31ST AVE APT 29 LASALLE QUE	M SC APP 2 DO 5 0398
WIRTH ALFRED GEORGE F WILSON HALL 124 UPTON RD SAULT STE MARIE ONT	B A 3
WIRTH CARL G 2080 JEANNE MANCE APT 8 MOOER S FORKS N Y USA	D D S 3 VI 9 6820
WISE HAROLD 36 KELVIN AVE OUTREMONT QUE	B COM 1 RE 8 9581
WISE RICHARD MARTIN 5900 MACDONALD AVE HAMPSTEAD QUE	B COM 3 HU 9 2534
WISEBERG ALLAN LAWRENCE 8587 MAYRAND ST MONTREAL QUE	B SC 1 RE 9 6664
WISEBERG MORTY 2660 BRINTON RD MONTREAL QUE	B ENG CIV 4 RE 1 4045
WISEMAN BETH SHEBA 706 DE L EPEE MONTREAL QUE	3 TCHRS 1 CR 4 8928
WISENTHAL PAUL D 64 SUMMIT CIRCLE WESTMOUNT QUE	B A 1 HU 6 1623
WISSE RUTH ANN 2376 MADISON AVE MONTREAL QUE	B SC P OT 2 HU 8 4122
WITELSON HENRY CHAIM 4875 DUFFERIN RD APT 604 MONTREAL QUE	MD CM 2 HU 6 4201
WITELSON SANDRA J F 4875 DUFFERIN APT 604 MONTREAL QUE	M SC APP 1 HU 6 4201
WITHERS JOHN LEONARD 2235 SENECA RD TOWN OF MT ROYAL QUE	B COM 1 RE 8 3556
WITKOV BARBARA DEENA R 2051 ATHLONE RD TOWN OF MT ROYAL QUE	M S W 1 RE 7 7591
WITTENBERG ALICE SANDRA 758 LEXINGTON AVE WESTMOUNT QUE	B A 4 HU 6 6249
WLODEK GEORGE KAZIMIERZ 3884 MAPLEWOOD AVE MONTREAL 26 QUE	MED DIP 3 RE 3 1555
WOHL STANLEY 2983 SOISSONS AVE MONTREAL QUE	B SC 2 RE 7 5253
WOHLER HENRY FRANCIS 1324 BROWN BLVD VERDUN QUE	B ENG 1 PO 8 7081
WOLF ANNE C M 5645 15TH AVE MONTREAL 36 QUE	B SC P OT 3 RA 7 8571
WOLF KARL GEORGE 5645 15TH AVE MONTREAL 36 QUE	B C L 1 RA 7 8571
WOLF MONICA EVA 4365 WESTHILL AVE MONTREAL 28 QUE	B A 3 HU 6 3882

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WOLFE HOWARD LESLIE 5688 MACDONALD HAMPSTEAD QUE	B SC 2 HU 8 9022
WOLFE JEANNE MARY 3717 HUTCHISON ST MONTREAL QUE	M A 2 VI 5 8641
WOLFE KENNETH MARVIN 4667 BONAVISTA AVE MONTREAL 29 QUE	B A 1 HU 6 8064
WOLFE RUBY 4255 MAPLEWOOD AVE MONTREAL 26 QUE	B SC N 1 RE 8 9596
WOLFE SHEVA MACDONALD COLLEGE 5400 RANDALL COTE ST LUC QUE	2 TCHRS 1
WOLFF BERNARD RELIE 178 SMITH LASALLE QUE	B ENG 2
WOLFF BRUCE ROBERT 3466 MCTAVISH ST MTL 168 HAMILTON ST EAST ORANGE N J USA	MD CM 3 AV 8 9533
WOLOFSKY GLORIA 6456 MACDONALD AVE HAMPSTEAD QUE	B SC 2 HU 6 5525
WOLOSHEN JACOB 2039 MCGILL COLLEGE AVE 806 MONK AVE QUEBEC QUE	B A 3 AV 8 7337
WONG ALBERT WAN YEUNG 4617 A BOUCHETTE MTL 5 HOK SZE TES 2ND FL HONG KONG	B ENG EL 4 RE 1 7210
WONG BERNARD JOSEPH 9194 ST MICHEL BLVD VILLE ST MICHEL QUE	B ENG CIV 4 DU 9 9034
WONG BETTY WING LIM 3015 SHERBROOKE ST W APT 217 MTL 160 WATERLOO RD GR FL HONG KONG	M S W 2 WE 7 8209
WONG CALVIN ANTHONY 2039 MCGILL COLLEGE AVE APT 29 MTL 107 SUNDOWN CRES KINGSTON 10 JAMAICA W I	B ENG AM 4
WONG CHIN YU 375 PRINCE ARTHUR W MTL 139 CAINE RD 2ND FL HONG KONG	B ENG 2 AV 8 9664
WONG EDWARD GORDON 3549 LORNE AVE MTL 10 FOSTER AVE MONTEGO BAY JAMAICA W I	B ENG 2
WONG HERBERT YUN 3421 SHUTER ST APT 11 542 EAST 21ST ST OAKLAND 7 CALIF USA	D D S 3
WONG JOSEPH YIK NANG 375 PRINCE ARTHUR W MTL 30 FORT ST 1ST FLOOR NORTH POINT HONG KONG	B SC 3 AV 8 9664
WONG KA NIN BERNARD 3516 STE FAMILLE MTL 108 GLOUCESTER RD 1ST FL HONG KONG	B ENG EL 4
WONG KAI KWONG 377 PRINCE ARTHUR ST W APT 5 MTL 31 KOTEWALL RD TOP FL HONG KONG	B SC 3
WONG MARCUS YAU KEE 3517 HUTCHISON ST MTL C O MEEWAH & COMPANY P O BOX 926 HONG KONG	MD CM 1
WONG NAI FUNG 375 PRINCE ARTHUR ST MTL 1 FAT KWONG ST FLAT 73 BLOCK H HUNGHOM KOWLOON HONG KONG	B ENG EL 3 AV 8 9664
WONG SAU WAI 3449 SHUTER AVE APT 5 7 COMFORT TERR KING S RD HONG KONG	M ENG 1
WONG TAT LUN E 3501 PEEL ST MTL 13 FUK LO TSUN RD HONG KONG	B SC 4
WONG TOM LAUNG QUONG 4645 BOURRET ST APT 81 278 E 18TH AVE VANCOUVER 10 B C	D D S 3 RE 3 0283
WONG WAICHOW DAVID 3508 SHUTER ST APT 6 MTL 144 WING LOK ST W 2ND FL HONG KONG	B ENG EL 3
WONG WINSTON ALEXANDER 2034 MCGILL COLLEGE AVE APT 29 MTL 135 BARRY ST KINGSTON JAMAICA W I	B ENG MCH 3 VI 4 8700
WONG YUK CHEE 3519 SHUTER ST APT 10 85 FA YUEN ST GD FL KOWLOON HONG KONG	B ENG MCH 4
WONG YUM KONG 3587 SHUTER ST APT 2 MTL 104 PRINCE EDWARD RD 1ST FL KOWLOON HONG KONG	B SC 3
WONGHIRAN NITTAYA 3471 PEEL ST MTL 39 CHAEONPRATATE RD LAMPANG THAILAND	GRAD DIP 2 VI 9 0133
WOO ARTHUR KOON MUN 3455 HUTCHISON ST MTL 55 CONDUIR RD HONG KONG	MD CM 4
WOO YAN CHU ROYAL VICTORIA COLLEGE 161 BEN BINH DONG CHOLON SUD VIET NAM	B SC 4 VI 2 0526
WOOBE TESNAGER 3565 PARK AVE MTL P O BOX 399 ADDIS ABABA ETHIOPIA	M S W 2 VI 2 1929
WOOD ANDREW DARTNELL B DOUGLAS HALL APARTADO 5171 MIRAFLORES LIMA PERU	B SC 2
WOOD CHARLES LEONARD 990 47TH AVE LACHINE QUE	B ENG EL 4 ME 7 0923
WOOD HELEN M ROYAL VICTORIA COLLEGE 37 ESDRAS PL RIVERSIDE ONT	B SC 3 VI 9 0858
WOOD JAMES MICHAEL P 3434 MCTAVISH ST MTL APT 5171 MIRAFLORES LIMA PERU	B ENG EL 5 VI 2 4492
WOOD RONALD PETER 3430 DRUMMOND ST MTL 1155 CLINE CRES OTTAWA 3 ONT	B L S 1
WOOD SHARON LEE MCLENNAN HALL ST ANDREWS N B	B SC P OT 2 VI 2 0044
WOOD WILLIAM ALFRED L 421 MONMOUTH AVE TOWN OF MT ROYAL QUE	B ENG 2 RE 8 7705

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WOODBURN JOHN DAVID BRITTAIN HALL R R 1 BOX 142 CYRVILLE ONT	B SC AGR 2
WOODMAN ROBERT JOHN 27 ROYWOOD TERR APT 4 VILLE LEMOYNE QUE	B ENG 1 OR 1 1636
WOODROW MARYANN LOUISE ROYAL VICTORIA COLLEGE 25 WOODSTOCK ST OTTAWA 3 ONT	B SC P OT 2 VI 2 0598
WOODS STEPHEN FRANCIS R 30 EASTON AVE MONTREAL WEST QUE	B A 3 HU 4 5737
WOODWARD FRANCES MARY 3713 ST FAMILLE ST MTL 570 NICOLA ST KAMLOOPS B C	B L S 1 VI 9 9915
WOODWORTH ROBERT WELLS 11 LORRAINE AVE WESTMOUNT QUE	B A 2 HU 6 7131
WOOLNOUGH KELVIN V 3434 MCTAVISH ST 27 TEDDINGTON PK AVE TORONTO 12 ONT	B A 2 VI 2 4492
WOONTON ELIZABETH M L 7400 RUE DE TILLY MONTREAL 16 QUE	B A 4 RE 7 3085
WORBERT GERALD 8206 STUART AVE MONTREAL 15 QUE	B COM 1 CR 6 0281
WORONKO STANLEY F 6920 20TH AVE MONTREAL 36 QUE	B SC 2 RA 2 7504
WORSLEY KENNETH GORDON 3471 MOUNT ROYAL E APT 3 MONTREAL QUE	B ENG EL 3 CL 9 3325
WORSOFF MICHAEL DAVID 5575 MACDONALD MONTREAL 29 QUE	B SC 1 RE 7 0628
WRANGEL SERGE L 6133 SHERBROOKE ST W MONTREAL 28 QUE	B SC 1 HU 9 3002
WRAY MARGOT SUSAN F MACDONALD COLLEGE 19 OAKLAND AVE WESTMOUNT QUE	2 TCHRS 1
WRAY ROBERT JOHN DOUGLAS HALL C O EAST SULLIVAN MINES VAL D OR QUE	B SC 4 VI 5 9784
WREDDEN GABRIELLE LOUISE 511 GROSVENOR AVE WESTMOUNT QUE	B A 2 WE 3 4109
WREN PETER BARRY C 3546 DUROCHER ST APT 16 MONTE ALTAI 115 F MEXICO 10 D F MEXICO	B COM 4
WREN SIMON FRANCIS G 545 PINE AVE W MONTREAL QUE	MD CM 2 VI 5 5841
WRESHNER YVONNE EVE 5554 SNOWDON AVE APT 10 MONTREAL QUE	M S W 1 HU 1 1495
WRIGHT ANTONY POPE 555 LANSDOWNE AVE WESTMOUNT QUE	B SC 2 HU 4 7036
WRIGHT CHARLES ARTHUR 5867 MACDONALD AVE MONTREAL 29 QUE	B SC 3 RE 1 4472
WRIGHT DAVID ROY 3655 OXENDEN AVE MTL 5 BAY LANE HARWICHPORT MASS USA	MD CM 1 VI 9 3014
WRIGHT DAVID WAYNE 53 LUCERNE AVE PTE CLAIRE QUE	B SC 1 OX 7 3945
WRIGHT EARLE STANLEY MTL CHILDRENS HOSPITAL MONTREAL QUE	M SC 1 WE 7 8511
WRIGHT GORDON EDWARD 19 DORVAL AVE APT 24 DORVAL QUE	H S D DIP 1
WRIGHT JAMES HUBERT 425 MONT ROYAL AVE MTL 60 CHURCH ST GANANOQUE ONT	B ENG 2 CR 4 7681
WRIGHT JOAN BEATRICE 708 UPPER ROSLYN AVE WESTMOUNT QUE	B SC N 2 HU 6 8036
WRIGHT MARTIN SEYMOUR 4920 CIRCLE RD MONTREAL QUE	B COM 2 HU 1 5949
WRIGHT NICHOLAS A H 3466 SHUTER ST MTL 18 MOUNT STR LONDON ENGLAND	B COM 3 VI 5 4095
WRIGHT PENELOPE ANNE ROYAL VICTORIA COLLEGE 1695 PINE CRES VANCOUVER B C	B A 3 VI 2 0598
WRONSKY ABIE 5682 WAVERLY MONTREAL 14 QUE	B ENG 1 CR 6 0346
WU CHUANG JY 3693 JEANNE MANCE MTL 5 LANE 5 PASSAGE 70 2 SECTION HOPING W RD TAIPEI TAIWAN FREE CHINA	PARTIAL VI 4 2282
WU JIM HSIAO TA 132 SHERATON DR MONTREAL WEST QUE	PH D 4 HU 8 3591
WU MICHAEL PO KO 3520 LORNE AVE MTL 112 QUEEN S RD C HONG KONG	B ENG MCH 4 VI 5 2525
WULF ALEXANDER 1429 STANLEY ST MTL P O BOX 3005 CARACAS VENEZUELA	B SC 1 VI 4 8030
WULLNER RONALD 346 HAWTHORNE AVE LONGUEUIL QUE	B C L 2 OR 4 4148
WURTELE KATHARINE E STEWART HALL 125 KINZUA RD OTTAWA 2 ONT	B SC H EC 1
WUST KARL ANTON 2567 KEELE ST APT 403 TORONTO 15 ONT	B A 2
WUSU ANSAH OSEI 3506 DUROCHER ST MTL P O BOX 675 KUMASI GHANA	B ENG CIV 3
WYANT JOHN D 4343 MAYFAIR AVE MONTREAL QUE	MD CM 3 HU 4 0964
WYGLINSKI TED DANIEL B 6065 COTE DE LIESSE RD ST LAURENT 9 QUE	B ENG CIV 5 RI 7 0857
WYGNANSKI ISRAEL JERZY 3833 OXFORD AVE MTL 117 WEIZMAN ST TEL AVIV ISRAEL	B ENG MEC 5 HU 9 7132
WYLIE DOROTHY PEARSON 65 KENASTON AVE TOWN OF MT ROYAL QUE	B A 2

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NAME ADDRESS	COURSE & YEAR TEL. NO.
WYNTER CLIVE INVERSE 3504 SHUTER ST MTL 11 WEXFORD RD KINGSTON JAMAICA W I	B SC 3
X	
XENOS JOHN 3511 SHUTER APT 2 MTL 6147 DUROCHER AVE OUTREMONT QUE	MD CM 2 V' 4 4946
Y	
YACKNIN ROBERT 4446 WILSON AVE MONTREAL QUE	B A 4 HU 8 8268
YAFFE PETER IRWIN 4582 CIRCLE RD MONTREAL QUE	B COM 1 HU 6 2209
YALOVSKY SHAINDEL 5105 KING EDWARD AVE MONTREAL 29 QUE	B SC 2 HU 9 8398
YAMANAKA NORIKO ELIZABETH 3512 DUROCHER ST APT 311 83 MADISON AVE TORONTO 5 ONT	GRAD DIP 1
YAMAOKA DALE TETSUO 7475 GLENWOOD AVE MONTREAL 16 QUE	B ENG EL 3 RE 7 4735
YAMPOLSKY EVELYN SANOI 3943 CARLTON AVE MONTREAL QUE	B A 2 RE 3 1918
YAN YUEN CHEONG 3426 STANLEY ST MTL 5 DRAGON TERR CAUSEWAY BAY HONG KONG	B COM 4 VI 4 0360
YANE GERALD ALFRED 5375 CUMBERLAND AVE MONTREAL 29 QUE	B ENG 1 HU 8 8333
YANNAKIS FRED 4437 BEAUBIEN ST E MONTREAL QUE	B SC 1 RA 1 1121
YANOFSKY JULIUS 3098 GOYER ST APT 11 MONTREAL QUE	3 TCHRS 1 RE 9 5307
YANOFSKY SANDRA FRANCES 5625 CANTERBURY AVE MONTREAL QUE	B A 3 RE 8 8342
YAP JAMES ADOLPHUS 3460 SAINT FAMILLE 57 BARNETT ST MONTEGO BAY JAMAICA W I	B SC 2 AV 8 5562
YAPHE PAUL AARON 570 LAKESHORE RD BEAUREPAIRE QUE	B A 2 OX 5 6986
YAROSKY HARVEY WILLIAM 5590 LEGARE APT 4 MONTREAL QUE	B C L 3 RE 3 1165
YAROSKY MICHAEL DONALD 240 61ST AVE L ABORD A PLOUFFE QUE	B A 1 MU 1 1887
YASUNAKA MARTY TOYOKO MACDONALD COLLEGE 2960 DE BEAURIVAGE ST MONTREAL 5 QUE	2 TCHRS 2
YATES FRANCIS ADRIAN H 481 PRINCE ARTHUR W MTL THE WOOD COASALL WOOD WOLVERHAMPTON STAFFS ENGLAND	B SC 2 AV 8 7773
YATES JOHN B 419 PRINCE ARTHUR ST W 5 YATES AVE CORNWALL ONT	B COM 2 AV 8 6698
YATES TIMOTHY TELFORD 236 KINDERSLEY AVE TOWN OF MT ROYAL QUE	B SC 1 RE 8 2718
YAU MICHAEL YUK MAN 3506 DUROCHER ST MTL 220 SHAUKIWAN RD 5TH FL HONG KONG	B ENG EL 5
YEE HENRY 2077 KIMBERLEY ST MTL 460 CRAIG ST E MONTREAL QUE	B ENG EL 4 AV 8 3679
YELIN LAWRENCE PETER 660 LANSDOWNE AVE WESTMOUNT QUE	B A 1 HU 8 8030
YELLON RODNEY ARNOLD 6505 LAVOIE ST APT 1 MONTREAL QUE	B A 1 RE 3 4865
YEN GEORGE 3500 DUROCHER ST APT 5 C O MR JOSEPH YEN 115 THE PEAK HONG KONG	M ENG 2 VI 5 0596
YEN SHI PING BERNARD 3517 HUTCHISON ST APT 11 302 PRINCE EDWARD RD 2ND FL KOWLOON HONG KONG	B SC 2 VI 9 0109
YEOMAN ANNE STEWART HALL 1268 ROLLAND AVE VERDUN QUE	B ED 2
YETTER ALLAN SHERWOOD 52 RUSSEL AVE MTL 1011 UNIVERSITY AVE ROCHFSTER N Y USA	B ENG MCH 4 RE 1 1621
YEUNG EDDIE 4752 CONTRAI ST APT 4 MONTREAL QUE	D D S 3 RE 9 7638
YEUNG EUGENIE 4752 COURTRAI ST APT 4 R R BL 147 ISLAND RD STANLEY HONG KONG	B L S 1 RE 9 7638
YEVCHAK MARY ETHEL 1261 BEAULIEU ST LAURENT 39 SOUTH HILLSIDE AVE ELMSFORD N Y USA	B SC 2 RI 8 8498
YIP LIN HEE 3538 HUTCHISON ST APT 16 100 RANGOON RD SINGAPORE 8	M S W 2
YOKALE RICHARD FRANK 3851 UNIVERSITY ST MTL 2 BOX 321 VAL D OR QUE	B SC 2 VI 5 7355
YOUDIM MOUSSA BEN HUR 3511 LORNE AVE MTL 18 DANESHGAH ST 8 MEFTAH AVE TEHERAN IRAN	B SC 3 VI 4 0012
YOUNES ROBERT PAUL DOUGLAS HALL 8838 7TH AVE BROOKLYN 9 N Y USA	MD CM 2
YOUNG ALBERT BING CHING 500 PINE AVE W MTL NO 4 PURVES ROAR JARDINE LOOKOUT HONG KONG	MD CM 1
YOUNG ANNE WALLACE 584 WALPOLE AVE TOWN OF MT ROYAL QUE	B A 4
YOUNG CHUN MAN PETER 3517 HUTCHISON ST APT 3 6 BREEZY TERR GD FL BONHAM RD HONG KONG	B SC 4 VI 9 0109

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YOUNG DANIEL JOAQUIM 3647 UNIVERSITY MTL 74 AVENIDA REPUBLICA MACAO	B ENG CIV 4 VI 9 2806
YOUNG GILBERT RICHARD D PERREAULT ST STE ANNE DE BELLEVUE QUE R R 2 CALUMET QUE	P E DIP 1
YOUNG HORACE O R 1001 SHERBROOKE ST W MTL 10 SCOTT BUSHE ST PORT OF SPAIN TRINIDAD W I	MD CM 3 VI 4 0811
YOUNG HUGH JOHN BRITTAIN HALL BRISTOL QUE	AGR DIP 1 GL 3 1997
YOUNG JOHN CRAIG 33 TUNSTALL AVE SENNEVILLE QUE	B SC 1 GL 3 2638
YOUNG LESLIE GORDON 1 MAPLE AVE STE ANNE DE BELLEVUE QUE	PARTIAL GL 3 5258
YOUNG MANUEL 6405 DE VIMY AVE MONTREAL QUE	B A 3 RE 3 8152
YOUNG ROBERT EDGAR 4563 KENSINGTON AVE MONTREAL 28 QUE	B ENG MCH 5 HU 6 2849
YOUNG ROSS BAIRD MACDONALD COLLEGE 6395 11TH AVE MONTREAL 36 QUE	2 TCHRS 1
YOUNG RUSSELL MORRISON 3508 UNIVERSITY ST C O MANSE DUNDEE QUE	B D 3 VI 4 0752
YOUNG SANDRA ANN MACDONALD COLLEGE 110 GROVE ST DANVILLE QUE	2 TCHRS 1
YOUNG SUSAN MARCOU 33 TUNSTALL AVE SENNEVILLE QUE	B SC 2 GL 3 2638
YOUNG WILLIAM ARMSTRONG 3429 PEEL ST 614 STANLEY ST QUEBEC 10 QUE	B A 4 VI 9 9928
YOUNG YUET MING ANNIE ROYAL VICTORIA COLLEGE 58 CONNAUGHT RD W HONG KONG	M SC 1 VI 2 0526
YOUNGE DORINDA JOY LAIRD HALL SHAWVILLE QUE	2 TCHRS 2
YOUNG LAI PETER 3549 LORNE AVE MTL DELHI JUNCTION FYZABAD TRINIDAD WI	B COM 2
YU CHOK 3452 PARK AVE APT 1 MTL 21 ARBUTHNOT RD 4TH FL HONG KONG	B ENG 2 VI 5 8781
YU CHUNG 3452 PARK AVE APT 1 MTL 21 ARBUTHNOT RD 4TH FL HONG KONG	B ENG 2 VI 5 8781
YUDIN MURRAY 3485 VAN HORNE APT 9 MONTREAL QUE	M A 1 RE 1 0955
YUDKOVITCH ISSIE PHILIP 5719 ESPLANADE AVE MONTREAL QUE	B ENG MCH 3 CR 2 5084
YULE ELIZABETH ANN 7290 TWENTIETH AVE MONTREAL 38 QUE	B ED 3 RA 2 3156
YUNG TIN LAM 3580 STE FAMILLE ST MTL 42 WHARF RD NORTH POINT HONG KONG	B ENG 2
YUZILAITIS ANTHONY 1014 STEPHENS AVE VERDUN 19 QUE	B ENG 1 PO 7 7456

Z

ZABITSKY FREYA FRANCES 73 DUFFERIN RD HAMPSTEAD QUE	B A 2
ZABRANSKY FRED 2075 MOUNTAIN ST APT 31 MONTREAL QUE	M ENG 1 VI 9 6686
ZACHARATOS JOHN 496 EGLINTON AVE E TORONTO 12 ONT	B ENG EL 3
ZACKON DAVID LYON 3650 MOUNTAIN APT 301 MONTREAL QUE	B ENG EL 5 VI 5 1503
ZADEH MICHAEL 3770 ST KEVIN AVE APT 10 MONTREAL 26 QUE	B ENG EL 3 RE 3 2966
ZAFRAN NATHAN 2225 BARCLAY AVE MONTREAL QUE	B SC 1 RE 7 3427
ZAKAIB NORMAND RENE 7466 FABRE ST MTL 45 ROI SOREL QUE	B SC 1 RA 9 7698
ZALITE PETER ROMAN 5295 ORLEANS MONTREAL 36 QUE	B ENG 2 RA 7 6328
ZALOWICZ WOLF WILLIAM 5885 WAVERLY ST MONTREAL 14 QUE	B COM 1 CR 2 2265
ZALTER JOSEPH 5965 MACDONALD AVE MONTREAL QUE	B COM 2
ZAN WATSON KAI YUNG 3407 HUTCHISON ST MTL 11 FORT ST 1ST FL NORTH POINT HONG KONG	B ENG EL 3 AV 8 7672
ZANGWILL SHEELA M 5248 MT SIGHTS MONTREAL QUE	B A 3 HU 9 4861
ZARKADAS CONSTANTINOS G 15 ST ANNE ST STE ANNE DE BELLEVUE QUE BOX 103 MACDONALD COLLEGE STE ANNE DE BELLEVUE QUE	B SC AGR 3
ZAVALKOFF JUDITH H 497 OUTREMONT AVE MONTREAL 8 QUE	B A 3 CR 9 2445
ZAVALKOFF RUTH 499 OUTREMONT AVE MONTREAL QUE	H S D DIP 1 CR 1 2044
ZEIDEL ALLAN LARRY 1010 DURUISSEAU ST LAURENT QUE	B SC 3
ZEIGLER BERNARD 1962 ST GERMAIN BLVD ST LAURENT QUE	B ENG PHY 4 RI 4 4489
ZEIGLER MARCIA 1962 ST GERMAIN ST LAURENT QUE	B SC 1 RI 4 4489
ZEISLER BETTY CLAIRE 554 GROSVENOR AVE WESTMOUNT QUE	B SC 4 WE 7 1210

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ZEISLER JUDITH S 554 GROSVENOR AVE WESTMOUNT QUE	B A 3 WE 7 1210
ZELENKA MARIA 3465 SIMPSON ST MONTREAL 25 QUE	B ENG EL 5 WE 5 0333
ZELIKOVITZ LAURA EILEEN 124 BEVERLEY AVE TOWN OF MT ROYAL QUE	B A 3 RE 7 7482
ZELKOWITZ LILLY 3370 BEDFORD RD APT 3 MONTREAL QUE	B A 2 RE 7 7569
ZELNICKER FLORENCE 5520 VICTORIA AVE APT 16 MONTREAL QUE	3 TCHRS 1 RE 9 0310
ZELNICKER RHODA 709 STUART AVE OUTREMONT QUE	B SC 3 CR 7 1635
ZELNICKER SANDRA 709 STUART AVE MONTREAL QUE	MD CM 1 CR 7 1635
ZELNIKER ERNEST 4820 JEAN BRILLANT MONTREAL QUE	B A 2 RE 7 4846
ZEMEL HERSHIE 466 OUTREMONT AVE MONTREAL QUE	B SC 2 CR 2 7919
ZERBISIAS DEONISIA 5525 WESTBOURNE AVE COTE ST LUC QUE	B C L 2 HU 1 9193
ZERVOS ANTHONY JOHN 3508 DUROCHER ST MTL P O BOX 763 NASSAU BAHAMAS	B SC 1 VI 9 4352
ZGODZINSKI VIVIAN 749 BLOOMFIELD MONTREAL QUE	B SC 1 CR 6 4122
ZIA ISAAC YUNG ZUNG 3433 HUTCHISON ST MTL 114 TSAT TSE MUI RD 3RD FL NORTH POINT HONG KONG	GRAD QUAL 1 VI 5 4027
ZIDULKA ARNOLD 663 MCEACHRAN AVE MONTREAL QUE	B SC 3 CR 4 9597
ZIKMAN JERROLD MALCOLM 5569 KING GEORGE AVE COTE ST LUC QUE	B SC 4 HU 4 5849
ZILBERT DALE 1009 SHERBROOKE ST W 63 CATHERINE ST GLACE BAY N S	B SC 2 VI 4 0426
ZIMMER HENRY BERNARD 2705 BEDFORD RD MONTREAL QUE	B A 1 RE 7 1598
ZIMMERMAN CARL ALEXANDER 4861 DRAPER AVE MONTREAL QUE	B ENG 1 HU 6 8750
ZINGER ANNA 3634 LORNE CRES APT 1 MONTREAL QUE	B A 2 VI 4 8362
ZINMAN BERNARD 2865 GOYER ST APT 12 MONTREAL QUE	B SC 1 RE 7 5894
ZIOBROWSKI EDWARD 6720 44TH AVE MONTREAL 36 QUE	B SC 2 RA 2 1685
ZITMAN ANGUS BERNARD 4390 LINTON AVE MTL 154 REGENT RD BOURDA GEORGETOWN BRITISH GUIANA	B ARCH 2 RE 9 4578
ZNAIMER MOSES 5036 ST URBAIN ST MONTREAL 14 QUE	B A 2 CR 9 2305
ZORNBERG ERIC I 4992 DORNAL AVE MONTREAL 29 QUE	B SC 3 RE 9 9764
ZORZI ROBERT PAUL 1601 PEEL ST ST EUSTACHE SUR LE LAC QUEBEC	B ENG 1 GR 3 5169
ZSIGMOND JOSEPH 2067 UNIVERSITY ST APT 1 MONTREAL QUE	B ENG MCH 4
ZSIRAI ANDREW 6950 WILDERTON AVE APT 2 MONTREAL QUE	B ENG EL 5 RE 3 1008
ZSOMBOR MURRAY PAUL J A 417 PRINCE ARTHUR ST W P O BOX 36 BROWNSBURG QUE	M ENG 2 VI 9 9038
ZUCKER IRVING 229 ST VIATEUR W MONTREAL 8 QUE	B SC 4 CR 7 0459
ZUCKERMAN HYMAN 6220 MOUNTAIN SIGHTS AVE MONTREAL 29 QUE	B SC 1 RE 1 4616
ZUCKERMAN MORTIMER B 5862 PLANTAGENET PL MONTREAL QUE	B C L 3 RE 8 7004
ZUCKERMAN PAULA SHEILA 6269 DEACON RD MONTREAL 8 QUE	B A 1 RE 9 4475
ZUK IRENEUS B Y 43 NELSON AVE OUTREMONT QUE	B SC 2 CR 2 1655
ZUKERMAN BARRY 3851 MACKENZIE AVE MONTREAL QUE	B SC 3 RE 7 8715
ZURIF EDGAR B 4813 LACOMBE AVE MONTREAL QUE	B ENG MET 5 RE 7 0762
ZWARTS FRANK JOHN 5560 LAVOIE AVE MONTREAL 26 QUE	B ENG MEC 3 RE 3 9773
ZWOLSKA DANUTA GRACE M MACDONALD COLLEGE 7481 24TH AVE VILLE ST MICHEL QUE	2 TCHRS 2 RA 8 4389
ZYK NAOMI 5210 VAN HORNE AVE APT 4 MONTREAL QUE	B SC 3 RE 3 0567

DATE DUE

DUE	RETURNED
SEP 25 1964 SEP 11 '64	SEP 11 1964
B.B. MAY 26 1970	MAY 26 1970
ML JUN 30 1970	JUN 23 1970
JUN 28 1974	JUN 25 1974
ILL ML	AUG 31 1981 AUG 19 1981
2 WEEKS USE ILL	C DEC 8 1980

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